## PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

ABANDONED RAILROAD EASEMENT
BETWEEN KIHEKAH AND LYNN, AND 5<sup>TH</sup> STREET AND 3<sup>RD</sup> STREET/BIRD CREEK
CITY OF PAWHUSKA, OSAGE COUNTY, OKLAHOMA

## PREPARED FOR:

US Army Corps of Engineers – Tulsa District 1645 South 101<sup>st</sup> East Avenue Tulsa, Oklahoma 74128-4813

MARCH 19, 2009

## PREPARED BY:



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March 19, 2009

Mr. Frank Roepke Environmental Project Manager US Army Corps of Engineers – Tulsa District 1645 South 101<sup>st</sup> East Avenue Tulsa, Oklahoma 74128-4213

## REF: PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

ABANDONED RAILROAD EASEMENT

Between Kihekah and Lynn, and  $5^{\text{th}}$  Street and  $3^{\text{rd}}$  Street/Bird Creek City of Pawhuska, Osage County, Oklahoma

Dear Mr. Roepke:

Enclosed please find four (4) hard copies of the Phase I Environmental Site Assessment (ESA) performed on the above referenced site during January of 2009 by ALL Consulting (ALL).

The Phase I ESA has been performed to the best of our ability and interpretation in conformance with the scope and limitations of ASTM Practice E 1527-05 for the above referenced site.

We appreciate the opportunity to be of service and hope to assist you again in the future. If you have any questions concerning this report, please do not hesitate to contact me at (918)-382-7581.

Respectfully,

Charles B. McComas, P.E.

ahl Mylonus P.E.

Project Manager

Enclosure

## **Phase I Environmental Site Assessment (ESA)**

## ABANDONED RAILROAD EASEMENT

Between Kihekah and Lynn, and  $5^{\text{th}}$  Street and  $3^{\text{rd}}$  Street/Bird Creek City of Pawhuska, Osage County, Oklahoma

## 1.0 EXECUTIVE SUMMARY

The following is a brief synopsis of the findings based upon the involved research and the January 22, 2009 (Thursday) site inspection performed by Mr. Charles McComas of ALL Consulting (ALL), Mr. Nathan Alleman of ALL, and Mr. Mark Webster of the U.S. Army Corps of Engineers (USACE):

- The subject property, henceforth referred to as the "Site," is bounded on the west by Kihekah Avenue, on the east by Lynn Avenue, 5<sup>th</sup> Street to the north and 3<sup>rd</sup> Street / Bird Creek to the south in the City of Pawhuska, Osage County, Oklahoma. The Site is located south of downtown Pawhuska, Oklahoma, within an area surrounded to the north by commercial and office buildings, to the south by mixed residential and commercial properties and a river, to the east by commercial and municipal properties and to the west by residential areas. The Site currently consists of predominantly vacant land containing several commercial buildings, oilfield equipment, abandoned cars, and abandoned buildings. Inspection of the Site began with a pedestrian perimeter inspection of the Site followed by a grid patterned search of the interior areas.
- 2) Interviews were conducted with Ms. Diane Daniels, (Director, Osage Nation Environmental and Natural Resources Department), Mr. Darin West (Project Specialist II, Osage Nation Environmental and Natural Resources Department), Mr. Bob Wilson, (Former Pawhuska City Attorney), Mr. Jerry Loftis, (Owner, Pawhuska Auto Mart), Mr. Hank Benson (Owner, Osage Building Materials, Co.), and Mr. Lee Ray Reynolds, (Retired Union Pacific/Missouri Pacific Railroad worker).
- According to information obtained from the Osage County Tax Assessor's office, there are no deed restrictions, environmental liens or any other AUL affecting the Site. According to information provided by Environmental Data Resources, Inc. (EDR), there are no deed restrictions, environmental liens, or other AUL affecting the Site. The Site is zoned as Commercial General (CG) along the railroad easement. Zoning roughly to the south, west, and east of the railroad easement is Residential, with six lots zoned Industrial Light at the southeast corner of the easement, north of Bird Creek and west of the Lynn Avenue. Zoning immediately north of the property is also Commercial General (CG).

## **FINDINGS:**

ALL Consulting has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 on the Abandoned Railroad Easement, bounded on the west by Kihekah Avenue, on the east by Lynn Avenue, 5<sup>th</sup> Street to the north and 3<sup>rd</sup> Street / Bird Creek to the south in the City of Pawhuska, Osage County, Oklahoma. Any exceptions to or deletions from this practice are described in Section 4.3 of this report. Please review the following findings of the inspection:

- A) Formby Oil Company, located in the middle portion of the northern edge of the Site, is a bulk distributor of refined petroleum products such as diesel, kerosene, and propane. Located on the western portion of the Formby property, are seven aboveground storage tanks (ASTs) with the following contents and sizes: three 10,000-gallon ASTs containing diesel fuel, one 6,000-gallon AST containing kerosene, one 4,000-gallon AST containing kerosene, one 6,000-gallon AST containing antifreeze, and one 2,000-gallon AST containing mineral spirits (see **Appendix D**, photos 59 and 60). Secondary containment in the form of a three sided soil berm is in place around the east, west, and south edges of the ASTs. Three areas of stained gravel were observed in the vicinity of these tanks. The stained areas measured approximately 4'x8', 8'x36', and 4'x6' (see **Appendix D**, photo 61). The office building located at the western end of the property has paint peeling off of a majority of the sheet metal siding (see **Appendix D**, photo 62). Located on the eastern portion of the Formby property are two 12-volt batteries directly in contact with the ground on the northern side of the office building (see **Appendix D**, photo 68). A vertically oriented AST, reportedly of 10,000-gallon capacity, is located east of the office building. In the past, this AST, of unknown contents, was emptied to allow for repair to its bottom wall. This AST is located within a secondary containment structure with one 6,000-gallon and one 4,000-gallon AST, also of unknown contents. Located southeast of the office building, four 6,000-gallon ASTs of unknown contents are situated directly in contact with the ground without a secondary containment structure in place (see Appendix D, photos 67 and 70). East of the office building, approximately seventy-five 55-gallon drums are stored on the south side of a large sheet metal shed. A large area of soil staining of approximately 40'x20' is located in the vicinity of these barrels (see **Appendix D**, photo 69).
- B) Milleson Oilfield Service is located in the southeast corner of the Site. Their property consists of several sheds and office buildings, drilling rigs, trucks, and pump jacks in various states of disrepair. Several concrete pads and footings are also located near this property of which the former uses are unknown (see **Appendix D**, photos 13-21). A 54'x39' pile of discarded steel and equipment is located in the vicinity of Milleson Oilfield Service (see **Appendix D**, photos 15-17). Due to the amount of material present, soil staining underneath the pile could not be adequately observed. Dumping of scrap materials, machinery, and equipment was observed on the north bank of the river. In this same area, the oil soaked axle of a large piece of machinery was observed to be directly in contact with the ground (see **Appendix D**, photos 18-21).

- C) Several areas containing slag, disturbed soil, and evidence of hydrocarbon presence in the soil were observed in the middle portion of the Site (see **Appendix D**, photos 24, 25, 28, 31, and 53).
- D) Two former train depot buildings were observed within the mid-western portion of the Site. A pile of tires, 60'x60', is located on the northeast corner of the east depot building. On the south wall of the west depot building, one of three 5-gallon buckets of lubricant has been spilled and spread onto the walls and floor of the building. Nineteen 55-gallon barrels full of cement test cups were present inside and around both of the train depot buildings. The east depot building has a room which is approximately half full of trash including thousands of styrofoam cups (see **Appendix D**, photos 39, 41-47)
- E) In the northwest corner of the Site, the Osage Building Materials warehouse buildings, an enclosed yard with abandoned vehicles, oilfield piping, and tires were observed. Used oilfield drilling pipe and sucker rods were observed south of the warehouses (see **Appendix D**, photo 50). Used oilfield piping is likely to contain Naturally Occurring Radioactive Materials (NORM), which it would be exposed to while being used for oil production. The fenced in portion of these warehouses contained a large pile of tires (70'x50') several abandoned vehicles, and approximately thirty 5-gallon buckets of floor wax (see **Appendix D**, photos 51, 81, and 82).
- F) A historic railroad turnaround and maintenance yard was formerly located in the southwestern portion of the Site with a railroad corridor running the length of the entire Site (see **Appendix D**, photos 32-34). Although no staining or soil disturbance observed could be directly associated with the railroad, railroad maintenance yards suggest the use of solvents and presence of metals which could adversely impact the soils of the Site.
- G) A salvage yard / auto storage area located in the southwest corner of the Site contained dozens of abandoned cars and trucks. The soil in the vicinity of the salvage yard has possibly been impacted by metals and hydrocarbon contamination.
- H) Parks Concrete Co., located in the central portion of the northern edge of the Site, is the location of a former concrete plant. The location now contains abandoned cars, used appliances, and drums of waste oil (see **Appendix D**, photos 63-66). Surface staining was observed in association with the vehicles and waste oil drums. On the south side of this location, gravel and sand piles were observed along with old cement truck mixers. Additionally, throughout the Site concrete piles from apparent cleanout from cement trucks were observed.
- I) A 70'x60' stack of telephone poles is located in the northern portion of the Site. The wood preservative most commonly used on products such as telephone poles and railroad ties is creosote. Creosote is coal tar which contains polycyclic aromatic hydrocarbons, a known carcinogen (see **Appendix D**, photo 73).

- J) The Jerry E. Collins facility, at 201 East Main, is indicated as an active LUST facility. This location is in an upgradient position relative to the Site and in close proximity. Communications with the Oklahoma Corporation Commission regarding the status of this LUST case has indicated that this facility is in active monitoring. Due to the ongoing regulatory oversight, the fact that this location is not involved in any remedial activity, and the fact that local groundwater flow in this area is reportedly to the east, the potential for this facility to have an adverse environmental impact on the Site is considered to be insufficient to categorize this as an REC, although it is considered an environmental finding.
- K) The Formby Phillips 66 Station, at 301 East Main, is indicated as an active LUST facility. This location is in an upgradient position relative to the Site and in close proximity. Communications with the Oklahoma Corporation Commission regarding the status of this LUST case has indicated that this facility is in active monitoring and will be involved in a cleanup action in the next month or so. Reportedly, this case involves the release of a few thousand gallons of gasoline that has impacted local groundwater. Groundwater flow is to the east according to monitoring records. The plume has just reached Main Street and the LUST case manager does not feel that this release will impact the Site. Due to the ongoing regulatory oversight and the fact that this location will soon be involved in a remedial activity, the potential for this facility to have an adverse environmental impact on the Site is considered to be insufficient to categorize this as an REC, although it is considered an environmental finding.

## **RECOMMENDATIONS:**

Based on information obtained during the Site visits conducted on 22 January 2009, as well as information obtained through historical records review and interviews, this assessment has identified eleven Recognized Environmental Conditions, no Historical Recognized Environmental Conditions, no Business Environmental Risks, and six Other Environmental Findings. The environmental findings within each category are summarized below.

## **Recognized Environmental Conditions (RECs)**

- 1. *Formby Oil Company*. Historical and current activities of this facility have likely resulted in hydrocarbon and/or metals impact to the surface and subsurface soils. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold. It is further recommended that ASTs and drums be placed within proper secondary containment and not be in direct contact with the ground surface.
- 2. *Milleson Oilfield Services*. Current usage of the Site for storing old oilfield equipment, service vehicles, and heavy equipment has likely resulted in hydrocarbon and/or metals impact to surface and subsurface soils. There is also the potential for limited low level radiological contamination due to NORM from piping and tubing formerly used for oilfield production or produced water handling operations. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action thresholds. It is further recommended that the

- oilfield equipment and debris piles be removed from this area and either be recycled or disposed of in accordance with applicable regulations.
- 3. Former Parks Concrete Plant. Current usage of the Site for storage of old automobiles appliances, and waste oil drums has potentially resulted in hydrocarbon and/or metals impact to the surface and subsurface soils. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold. It is also recommended that the old automobiles and appliances be removed from the Site and either be recycled or disposed of in accordance with applicable regulations.
- 4. Former Railroad Operations. Historic usage of portions of the Site for maintenance operations, coke storage, and rail transport has likely resulted in hydrocarbon and/or metals impact to surface and subsurface soils. Additionally, an interview with a retired rail worker indicates that a customary practice of using a spray car to apply herbicides to rail lines and crossings may have led to surface and subsurface impact due to these chemicals. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold.
- 5. *Used Oilfield Dill Pipe and Sucker Rods*. There is the potential for low level radiological contamination due to NORM from materials formerly used for oilfield production or produced water handling operations. It is recommended that these be screened with a radiological emissions detector to determine if these have been contaminated by NORM. It is further recommended that a gamma survey be conducted in the areas in which the drill pipe and sucker rods are being stored in the event the initial screening indicates the presence of NORM. It is further recommended that these items be removed from the Site and either recycled or disposed of in accordance with applicable regulations.
- 6. *Former Pawhuska Asphalt Plant*. Historic usage of the mid-central portion of the Site as an asphalt plant has likely resulted in hydrocarbon and/or solvent impact to surface and subsurface soils in this area. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action thresholds.
- 7. *Former Cotton Gin.* Historic usage of the mid-eastern portion of the Site as a cotton gin with a seed press has possibly resulted in chemical impact to surface and subsurface soils due to potential pesticides contained in the cotton gin wastes. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold.
- 8. Automobile Repair and Storage. Current and historical usage of portions of the Site (northeast corner, southwest corner, Pawhuska Auto Mart) for storage of old automobiles and automobile repair activities have likely resulted in metals and/or hydrocarbon impacts to surface and subsurface soils. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold. It is further recommended that the automobiles be removed from the Site, or parked on impervious surfaces to prevent the potential for leaks to impact the surface soils.

- 9. *Unregistered Aboveground Storage Tanks (ASTs)*. Records obtained from Environmental Data Resources do not identify several of the observed ASTs (central portion of Site) as being registered with the Oklahoma Corporation Commission. As such, the presence of these ASTs under an unregistered status is considered to pose a threat for environmental impact to the Site, and is therefore considered to be a REC until proven otherwise. It is recommended that, if an AST contains any free liquid, the AST contents be sampled and identified, and then disposed of according to applicable regulations. It is also recommended that soil and uppermost groundwater samples be collected to determine if any impact has occurred above any regulatory action levels. It is further recommended that these ASTs be removed from the Site and disposed of in accordance with applicable regulations.
- 10. *Telephone Pole Storage*. Current usage of the north central portion of Site for storage of telephone poles by the City of Pawhuska has potentially resulted in impact to the surface soils from wood preservatives. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold.
- 11. *Osage Building Materials Warehouse.* Due to the age of construction, it is likely that this building may contain asbestos containing building materials. It is recommended that an asbestos inspection be conducted by a licensed asbestos inspector to determine if asbestos containing materials are present. It is further recommended that the containers of floor wax and old automobiles be removed from the Site and disposed of in accordance with applicable regulations.

## **Historical Recognized Environmental Conditions (HRECs)**

1. No HRECs were identified during the Site visit or through information acquired during historical records review and interviews.

## **Business Environmental Risks (BERs)**

1. No BERs were identified during the Site visit or through information acquired during historical records review and interviews.

## **Other Environmental Findings**

- 1. Tire piles were observed near the abandoned railroad depot buildings and on the south side of the Osage Building Materials warehouses. These should be removed from the Site and disposed of in accordance with applicable regulations.
- 2. Several debris piles with empty buckets, aluminum cans, and woody material were observed near the abandoned train depot buildings. These should be removed from the Site and disposed of in accordance with applicable regulations.
- 3. Concrete piles and old concrete building footings are scattered throughout the Site. It is recommended that the concrete be removed prior to any redevelopment of the Site.
- 4. Unrestricted access to the Site poses the potential for unauthorized dumping, which could lead to adverse environmental impact to the Site. It is recommended that access be restricted by placement of gates or fencing so that unauthorized dumping does not occur.

- 5. Waste styrofoam containers and cement test plugs were observed in 55-gallon drums near and within the abandoned train depot buildings. It is recommended that these be removed and disposed in accordance with applicable regulations.
- 6. Three 5-gallon containers of lubricating grease were observed on the south side of the west abandoned train depot, and had been smeared on the depot building wall. It is recommended that the lubricating grease be removed from the Site and disposed in accordance with applicable regulations.

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2.0 CERTIFICATION

I certify under penalty of law as an Environmental Professional (EP) that this document, including

the Site reconnaissance, interviews, historical review, and all attachments have been conducted and

prepared under my direction or supervision in accordance with a system designed to assure that

qualified personnel properly gather and evaluate the information submitted. Based on my

professional judgment this document has been prepared and the investigation performed to the best

of our ability and interpretation in accordance with the scope and limitations of ASTM Practice E

1527-05 and the information compiled is to the best of my knowledge and belief, true, accurate, and

complete.

I declare that, to the best of my professional knowledge and belief, I meet the definition of an

Environmental Professional, as defined in Section 312.10 of 40 CFR 312. I have the specific

qualifications based on education, training, and experience to assess a property of the nature, history,

and setting of this subject property. We have developed and performed the "all appropriate

inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

The information submitted describes the environmental conditions at the Abandoned Railroad

Easement, bounded on the west by Kihekah Avenue, on the east by Lynn Avenue, 5<sup>th</sup> Street to the

north and 3<sup>rd</sup> Street / Bird Creek to the south in the City of Pawhuska, Osage County, Oklahoma.

The findings represent the Site conditions as observed on the day of inspection (January 22, 2009).

In accordance with ASTM Practice E 1527-05, the Phase I ESA report must be updated after one

year to remain valid and the interviews, searches, and inspection portions of the Phase I ESA are

only valid for 180 days.

Marlo Monno, P.E.

Charles B. McComas, P.E. OK21526

Chemical / Environmental Engineer

**ALL Consulting** 

March 19, 2009

Relevant individual and corporate qualification summaries are shown in Section 16.

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## 3.0 PRIMARY LIST OF ACRONYMS

## **ACRONYMS**

AAI All Appropriate Inquiry

ALL Consulting

AST Aboveground Storage Tank

ASTM American Society for Testing and Materials

AUL Activity and Use Limitations BER Business Environmental Risk

CDL Clandestine Drug Lab

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFR Code of Federal Regulations

CORRACTS Facilities subject to Corrective Action under RCRA

DOD Department of Defense

EDR Environmental Data Resources, Inc.

EP Environmental Professional

EPA Environmental Protection Agency

ERNS Emergency Response Notification System

ESA Environmental Site Assessment

FEMA Federal Emergency Management Agency

FINDS EPA Facility Index System
FIRM Flood Insurance Rate Map
FOIA Freedom of Information Act
FUDS Formerly Used Defense Sites

HREC Historical Recognized Environmental Condition

ITEC Intertribal Environmental Consortium

LLP Landowner Liability Protection

LQG Large Quantity Generator

LUST Leaking Underground Storage Tank

m/l More or Less

MSDS Material Safety Data Sheet

MSL Mean Sea Level

NFRAP No Further Remedial Action Planned NORM Naturally Occurring Radioactive Material

NPL National Priorities List

ODEQ Oklahoma Department of Environmental Quality

OCC Oklahoma Corporation Commission

OSHA Occupational Safety and Health Administration

PCBs Polychlorinated Biphenyls

RCRIS Resource Conservation and Recovery Act (RCRA) Information System

REC Recognized Environmental Condition

ROD Record of Decision

SQG Small Quantity Generator

TSD Treatment, Storage, Disposal facility
USGS United States Geological Survey

USACE United States Army Corps of Engineers

UST Underground Storage Tank VCP Voluntary Cleanup Program

## 4.0 Introduction

### 4.1. PURPOSE

In general, the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), which is also referenced as Superfund, provides a means for certain purchasers of real property to potentially defend themselves from CERCLA liability associated with pre-acquisition contamination (hazardous substances and petroleum products) present on the property to be purchased by meeting the requirements of either of the following:

- "innocent landowner defense"
- "contiguous property owners"
- "bona fide prospective purchaser"

Among many other things, such landowner liability protections (LLP) require the purchaser to make "all appropriate inquiry" into previous ownership and uses of the subject property. To date, the standard practice for meeting the requirements of "all appropriate inquiry" is the performance of a Phase I ESA in accordance with ASTM E 1527-05 protocols and in compliance with the requirements of the Small Business Liability Relief & Revitalization Act (Federal Brownfields Law) and 40 CFR Part 312. This document is not intended to address whether the requirements beyond "All Appropriate Inquiry" or legal obligations with regard to hazardous substances or petroleum products have been met. Only practically reviewable information that yielded reasonably ascertainable data relevant to the Site was evaluated.

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the process described herein, recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), and business environmental risks (BERs) in relation to the subject Site. This Phase I ESA is based upon a visual inspection of current surface conditions. An asbestos inspection, lead-based paint inspection, or sub-surface soil borings/environmental sampling were not conducted within the described scope of work. The Site inspection did not include an evaluation of the structural integrity of the building located on-site. ALL Consulting (ALL) assumes no liability and makes no judgment concerning the Site's subsurface condition based upon the compiled Phase I ESA information and Site inspection findings.

Investigative procedures included a Site study and records review of records and/or interviews with local, State, and Federal government agency representatives. Data reported are based on these records and a Site visit/inspection. In addition, ALL relied on interviews from the Site owner, Site manager, Site occupants, user, and other pertinent individuals. Environmental Data Resources, Inc. (EDR) provided additional information regarding regulatory records. ALL has assumed that the information provided by the above personnel and companies is true and correct. If the information provided is discovered to be incorrect, our conclusions and recommendations may not be valid. Findings are applicable to the date of January 22, 2009 (Thursday).

This document has been prepared for US Army Corps of Engineers - Tulsa District at the request of Mr. John Lambert (Chief, HTRW Design Center – US Army Corps of Engineers – Tulsa District) for use by the Osage Nations and the Intertribal Environmental Consortium (ITEC) group. This project was tasked to USACE Tulsa District by U.S. Environmental Protection Agency (EPA) Region 6 in response to a request from ITEC for an environmental site assessment through the EPA Targeted Brownfields Assessment program. This document is intended to greatly reduce, but not eliminate, speculation and uncertainty pertaining to the potential for recognized environmental degradation on the subject property. This document was prepared for the benefit of the above listed entities and may not be utilized by any other person or entity without their written consent or the approved written consent of ALL Consulting. The purpose of this report is to assess, to the extent feasible, the potential for environmental impact or impairment on this Site due to previous land use, Site activity or adjacent off-site activity. This project was initiated on January 20, 2009.

This document was prepared to the best of our ability and interpretation in conformance with the scope and limitations of ASTM Practice E 1527-05. Investigative procedures included a Site study and records review of Oklahoma Department of Environmental Quality (ODEQ), Environmental Protection Agency (EPA), and Tulsa County Health Department data. Data reported are based on these records and a Site visit/inspection. In performing this Phase I ESA, ALL Consulting employees have relied on interviews with State Government employees, Oklahoma Corporation Commission (OCC) representatives, and information supplied by Environmental Data Resources, Inc. (EDR). ALL has assumed that the information provided by the above personnel and companies is true and correct. If the information provided is discovered to be incorrect, our conclusions and recommendations may not be valid. Findings are applicable to the date of January 22, 2009 (Thursday).

## 4.2. SCOPE-OF-SERVICES

A Phase I ESA inspection was performed on January 22, 2009 (Thursday) for the subject Site. The legal description of the Site was not supplied at the time of the report. Consequently, the Abandoned Railroad Easement Site is described as being bounded by 5<sup>th</sup> Street to the north, Lynn Avenue to the east, 3<sup>rd</sup> and 4<sup>th</sup> Streets to the south, and Kihekah Avenue to the west, and as being in the north half of the south half of the northeast quarter section, Section 9, Township 25 North, Range 9 East, containing 30 acres m/l.

The Phase I Environmental Site Assessment included the following tasks:

- 1) Site visit including a visual and physical inspection of the subject Site.
- 2) Interview with Site representatives.
- 3) Visual and physical observation of the adjacent property condition and land use.
- 4) Inspection for air and water monitoring devices.
- 5) Determination of Site drainage and drainage controls.
- 6) Review of Oklahoma Department of Environmental Quality, Oklahoma Corporation

- Commission, Osage County Health Department, Environmental Protection Agency records, local government, and tribal records.
- 7) Review of topographic maps, soil maps, geologic maps, and radon maps.
- 8) Historical records review (aerial photographs, historic topographic maps, Sanborn maps, city directories, and Osage County Assessor documents).

## 4.3. EXCEPTIONS AND/OR DELETIONS TO ASTM E 1527-05

There were no exceptions to ASTM E 1527-05.

## 4.4. NON-SCOPE ISSUES

Certain issues are beyond the scope of the Phase I ESA relative to ASTM E-1527-05. Those issues, which were not performed as part of this Phase I ESA include:

- Asbestos-Containing Building Materials
- Biological Agents
- Cultural and Historical Resources
- Ecological Resources
- Endangered Species
- Health and Safety
- Indoor Air Quality

- Industrial Hygiene
- Lead-Based Paint
- Lead in Drinking Water
- Mold
- Radon
- Regulatory Compliance
- Wetlands

## 5.0 SITE DESCRIPTION

### 5.1. LOCATION AND LEGAL DESCRIPTION

The Site is located south of downtown Pawhuska, Osage County, Oklahoma within a district consisting mostly of residential and commercial development. The latitude and longitude coordinates for the Site are 36.6610; (36° 39.7' N) and -96.3363; (96° 20.2' W) (NAD83/WGS84).

A legal description was not furnished at the time of the report, consequently the Site is described as being bounded by 5<sup>th</sup> Street to the north, Lynn Avenue to the east, 3<sup>rd</sup> and 4<sup>th</sup> Streets to the south, and Kihekah Avenue to the west, and as being in the north half of the south half of the northeast quarter section, Section 9, Township 25 North, Range 9 East, containing 30 acres m/l. This description is also contained within **Appendix A**.

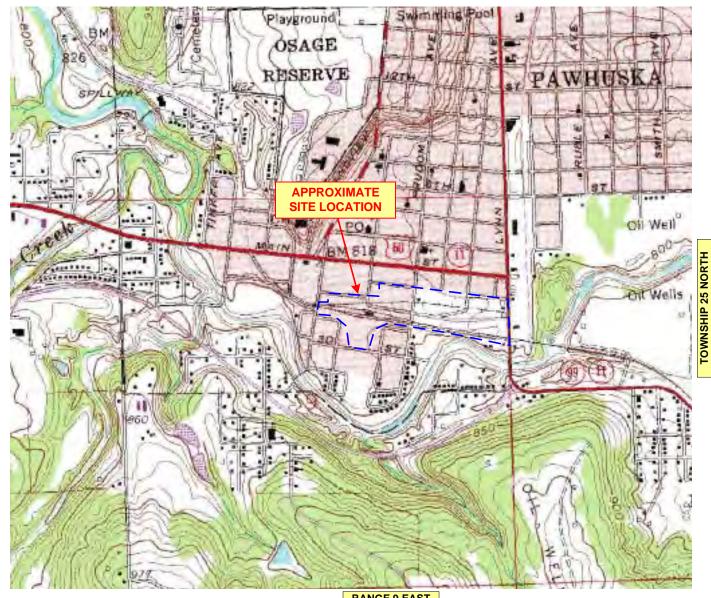
Figure 1 presents a topographic map of the Site. Figure 2 is a general layout of the Site and adjoining areas with the approximate locations of observed features indicated.

## 5.2. SITE AND VICINITY CHARACTERISTICS

The Site is located south of downtown Pawhuska, Oklahoma within a district consisting mostly of residential and commercial development. The Site adjoins 5<sup>th</sup> Street to the north, 3<sup>rd</sup> and 4<sup>th</sup> Street and the Bird Creek to the south, Kihekah Avenue to the west, and Lynn Avenue to the east.

## 5.3. CURRENT USE OF THE SITE

The subject Site is mostly vacant land crossed with unimproved dirt tracks and bisected by Prudom Avenue. Several occupied and abandoned structures are located within the Site. On the northwest portion of the Site is the Osage Building Materials structure that is used for storage of clothing, furniture and household items and leased space to Allen Bros. for storage of feed supplies. The former Parks Concrete Plant is located on the mid-northern portion of the Site and is currently used for storage of old appliances and automobiles. The structure in this area is being used as an automobile repair shop. Formby Oil Company, located east of the Parks Concrete Plant, is an active refined products distributer. The Pawhuska Auto Mart is located on the northeast portion of the Site and is an operating car sales facility with storage of old vehicles located on the west adjoining lot. The central portion of the east side of the Site is currently being used by the City of Pawhuska for storage of wood chippings. Milleson Oilfield Supplies is currently occupying the southeast portion of the Site and is storing old oilfield equipment in this area and in the southern portion of the Site along Bird Creek. Two old abandoned train depots are located central to the Site.



**RANGE 9 EAST** 

**TARGET QUAD** 

NAME: PAWHUSKA, OK

MAP YEAR: 1979 SERIES: 7.5 SCALE: 1:24,000

SITE NAME: ABANDONED RAILROAD EASEMENT ADDRESS: KIHEKAH TO LYNN AND 5<sup>TH</sup> TO 3<sup>RD</sup>/BIRD CRK

PAWHUSKA, OK 74056

LAT/LONG: 36.661/96.337



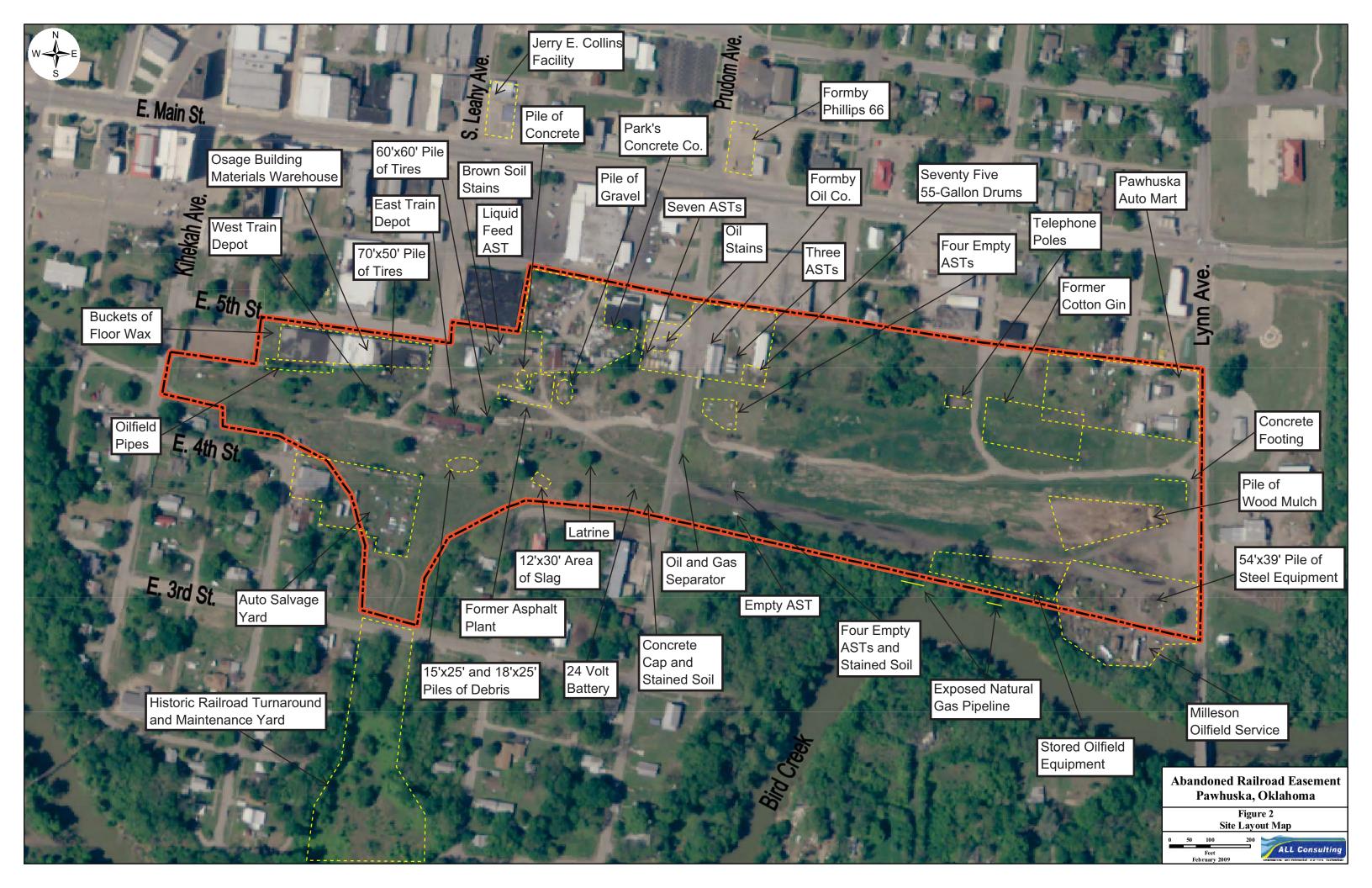
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## **TOPOGRAPHIC MAP**

## ABANDONED RAILROAD EASEMENT PAWHUSKA, OKLAHOMA

	SCALE:	DATE:	FIGURE NO.
	1:24 000	01/28/2009	Figure 1
	APPROVED BY:	DRAWN BY:	PROJECT NO.
	СВМ	СВМ	1266.PHI.00



## 5.4. ROAD, STRUCTURES, AND OTHER IMPROVEMENT DESCRIPTIONS

Access is available to the Site via Lynn Avenue on the east, Prudom Avenue in the central portion from the north and south, Kihekah Avenue from the west, 5<sup>th</sup> Street from the north, and 3<sup>rd</sup> Street from the south. Several unimproved roadways cross the Site and are labeled as being part of 4<sup>th</sup> and 5<sup>th</sup> Streets. Milleson Oil Field Service, Formby Oil Co., and several auto salvage and junk yards contain occupied structures within the Site. Abandoned structures within the Site include the east and west train depot buildings, and a line of warehouses in the northwest portion of the Site.

## 5.5. CURRENT USES OF ADJOINING PROPERTIES

Mr. McComas visually inspected the adjoining properties from the subject Site property lines and additional vantage points via the adjacent streets. The following table summarizes the adjacent properties:

Direction	Property Name	Property Name Property Usage	
North	Commercial and Residential Properties	Commercial and Private	Up Gradient
South	Residential and Commercial Properties	Commercial and Private	Down Gradient
East	Commercial and Municipal Properties	Commercial and Public	Cross Gradient
West	Residential Neighborhood	Private	Cross Gradient

## 6.0 USER PROVIDED INFORMATION

In order to qualify for one of the Landowner Liability Protections offered by the Small Liability Relief and Brownfields Revitalization Act of 2001, the user (The Osage Nation) has provided the following available information:

- 1. Environmental cleanup liens that are filed or recorded against the Site.
  - There are no recorded environmental liens in place for the Site.
- 2. Activity and land use limitations that are in place on the Site or that have been filed or recorded in a registry.
  - The Site is not subject to any AULs.
- 3. Specialized knowledge or experience of the person seeking to qualify for the LLP.
  - The Osage Nation is the managing entity for the Site.
- 4. Relationship of the purchase price to the fair market value of the property if it were not contaminated.
  - -The property reverted back to the Osage Nation after the railroad vacated the property.
- 5. Commonly known or reasonably ascertainable information about the property.

The subject property has no known environmental concerns.

6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation.

The Oklahoma Department of Environmental Quality does not list this property, or property immediately adjacent, in any environmental database.

**Appendix B** provides a copy of the completed User Questionnaire Form.

## 7.0 SITE RECONNAISSANCE

### 7.1. METHODOLOGY

A Site inspection was conducted on January 22, 2009 (Thursday) by Mr. Charles McComas, P.E. and Mr. Nathan Alleman of ALL Consulting (ALL), and Mr. Mark Webster of the U.S. Army Corps of Engineers (USACE). The subject Site was inspected by the following:

- Walking the perimeter and interior of the vacant lots which make up the Site.
- Collecting photographic evidence of relevant observations.

The Topographic Map (Figure 1) shows the general Site location and topographic relief. The Site Layout (Figure 2) indicates the approximate location of the features referenced in the following subsections. The Site Inspection Form is provided in **Appendix C**. The Site Photographs are provided in **Appendix D**.

## 7.2. SITE SETTING

The Site is located south of downtown Pawhuska, Oklahoma, within a district consisting mostly of residential and commercial development. The Site adjoins 5<sup>th</sup> Street to the north, 3<sup>rd</sup> and 4<sup>th</sup> Street and Bird Creek to the south, Kihekah Avenue to the west, and Lynn Avenue to the east.

## 7.3. EXTERIOR OBSERVATIONS

The Site is currently vacant land with some commercial use. Evidence of former uses of the Site is apparent through electrical lines, concrete footings, stormwater drains, abandoned buildings, and railroad remnants. A detailed description of the observations from the Site visit follows:

The Formby Oil Company, located in the middle portion of the northern edge of the Site, is a distributor of refined petroleum products such as diesel, kerosene, and propane. Located on the western portion of the Formby property, are seven aboveground storage tanks (ASTs) with the following contents and sizes: three 10,000 gallon ASTs containing diesel fuel, one 6,000 gallon AST containing kerosene, one 4,000 gallon AST containing kerosene, one 6,000 gallon AST containing antifreeze, and one 2,000 gallon AST containing mineral spirits (see Appendix D, photos 59 and 60). Secondary containment in the form of a three sided soil berm is in place around the east, west, and south edges of the ASTs. Three areas of stained gravel were observed in the vicinity of these tanks. The stained areas were 4'x8', 8'x36', and 4'x6' (see **Appendix D**, photo 61). The office building located at the western end of the property has paint peeling off of a majority of the sheet metal siding (see **Appendix D**, photo 62). Located on the eastern portion of the Formby property, are two 12-volt batteries directly in contact with the ground on the northern side of the office building (see Appendix D, photo 68). A vertically oriented AST, said to be of 10,000 gallon capacity is located east of the office building. In the past, this AST, of unknown contents, was emptied to allow for repair to its bottom wall. This AST is located within a secondary containment structure with one 6,000 gallon and one 4,000 gallon AST, also of unknown contents. Located southeast of the office building, four other approximately 6,000 gallon ASTs of unknown contents are situated directly in contact with the ground without a secondary containment structure in place (see **Appendix D**, photos 67 and 70). East of the office building, approximately seventy-five 55 gallon drums are stored near a large sheet metal shed. Large areas of soil staining are located in the vicinity of these drums (see **Appendix D**, photo 69).

Milleson Oilfield Service is located in the southeast corner of the Site. Their property consists of several sheds and office buildings, drilling rigs, trucks, and pump jacks in various states of disrepair. Several concrete pads and footings are also located near this property of which the former uses are unknown (see **Appendix D**, photos 13-21). A 54'x39' pile of discarded steel and equipment is located in the vicinity of Milleson Oilfield Service (see **Appendix D**, photos 15-17). Due to the amount of material present, soil staining underneath the pile could not be adequately observed. Dumping of scrap materials, machinery, and equipment was observed on the north bank of the river. In this same area, the oil soaked axle of a large piece of machinery was observed to be directly in contact with the ground (see **Appendix D**, photos 18-21).

Several areas containing slag, disturbed soil, and evidence of hydrocarbon presence in the soil were observed in the middle portion of the Site (see **Appendix D**, photos 24, 25, 28, 31, and 53). An old 24-volt battery was also observed near the middle portion of the Site, west of Prudom Avenue (see **Appendix D**, photo 29).

Two former train depot buildings were observed within the mid-western portion of the Site. A pile of tires, 60'x60', is located on the northeast corner of the east depot building. On the south wall of the west depot building, one of several 5-gallon buckets of lubricant has been spilled and spread onto the walls and floor of the building's exterior. Several 55-gallon barrels full of cement test cups were present inside and around both of the train depot buildings. The east depot building has a room which was approximately half full of trash including thousands of styrofoam cups (see **Appendix D**, photos 39, 41-47).

In the northwest corner of the Site, the Osage Building Materials warehouse buildings, an enclosed yard with oilfield piping, and tires were observed. The warehouse was of wood frame on concrete stem wall and had tarred roofing. The north face was in disrepair and had shingle covering. Due to the age of construction, it is likely that there are asbestos containing materials present in these buildings. The fenced yard immediately west of the Osage Building Materials warehouse contained approximately thirty 5-gallon buckets of floor wax. Several large piles of used oilfield drilling pipe and sucker rods were observed south of the warehouses (see **Appendix D**, photo 50). Used oilfield piping is likely to contain Naturally Occurring Radioactive Materials (NORM), which it would be exposed to while being used for oil production. The piping is exposed to NORM as liquids are brought up through the piping to the surface. Over time, NORM contaminated scaling builds up on the inner and outer surfaces of the pipes. The fenced in portion south of these warehouses contained a large pile of tires, 70'x50', and several abandoned vehicles (see **Appendix D**, photos 51, 81, and 82).

A historic railroad turnaround and maintenance yard was formerly located in the southwestern portion of the Site with a railroad corridor running the length of the entire Site (see **Appendix D**, photos 32-34). Although no staining or soil disturbance was observed that could be directly associated with the railroad, railroad maintenance yards suggest the use of solvents and presence of metals which could have adversely impacted the soils of the Site.

A fenced in area located in the southwest corner of the Site contained dozens of abandoned cars and trucks. The soil in the vicinity of the salvage yard has potentially been impacted by metals and/or hydrocarbon contamination.

Parks Concrete Co., located in the central portion of the northern edge of the Site, is the location of a former concrete plant. The location now contains dozens of abandoned cars, used appliances, and drums of waste oil (see **Appendix D**, photos 63-66).

A 70'x60' pile of telephone poles is located in the northern portion of the Site. The wood preservative most commonly used on products such as telephone poles and railroad ties is called creosote. Creosote is coal tar which contains polycyclic aromatic hydrocarbons, a known carcinogen (see **Appendix D**, photo 73).

## 7.4. Interior Observations

The interiors of several buildings were observed including the east and west train depot buildings, several abandoned warehouses, and the Parks Concrete Co. building. The train depot buildings had been abandoned and partially burned many years ago. The interiors contained scattered trash, scrap wood, and test cups from the old concrete plant. The interior of the Osage Building Materials warehouse held auction items that consisted of old clothing, furniture, and household goods. The western warehouse building had partially collapsed and was being used for storage of feed materials, scrap wood, bags of grain, wood pallets, and wood shims. A backhoe was parked in this area and had indications of leakage. The interior of the building at Parks Concrete Co. was being used as an automobile mechanic's shop (see **Appendix D**, photos 66, 76, 77, and 84).

The Site's utilities are provided by the following:

Utility	Utility Company
Potable Water	City of Pawhuska
Natural Gas	Oklahoma Natural Gas
Electricity	AEP-Public Service Company of Oklahoma
Trash	City of Pawhuska
Sewer	City of Pawhuska

## **SITE CHARACTERISTICS**

### 7.5. TOPOGRAPHY

The United States Geological Survey 7.5-Minute topographic map, Pawhuska, Oklahoma Quadrangle (photo revised 1979), shows the subject property is located in a relatively flat river valley incised into the Osage Hills and grasslands. The Site elevation is approximately 810 feet above Mean Sea Level (MSL). Generally the slope is in a southerly direction, with local variations to the east-southeast or west-southwest, roughly following Bird Creek meanders. Figure 1 is a topographic map of the Site and surrounding area.

## 7.6. FLOOD PLAIN INFORMATION

According to the EDR overview map, the Site is located within a 100-Year flood zone. No visual evidence of recent flooding or prolonged surface water retention was observed on-site during the inspection. Figure 3 is a Flood Map for the area.

## **7.7. SOIL**

The Soil Survey of Osage County, Oklahoma (United States Department of Agriculture and Soil Conservation Service and United States Department of the Interior, Bureau of Indian Affairs, 1979) indicates the subject Site's surface consists of Osage Silty Clay in the north and central portion of the Site. Proceeding in a roughly southerly direction from the Osage Silty Clay toward Bird Creek, the Mason Silt Loam, 1 to 3 per-cent slopes is encountered followed by the Mason Silty Loam, 0 to 3 per-cent, is the Verdigris Silt Loam and finally the Verdigris Soils which line Bird Creek. The soils are typically derived from the weathering of Pennsylvanian age shales, sandstones, and limestones. Often, the development of land involves the stripping of the top soil horizon and placement of fill material on top. Figure 4 is the soils map of the subject area.

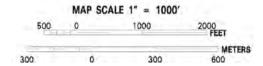
### 7.8. GEOLOGY

The Geologic Map of Oklahoma shows the geologic units underlying subject area to consist of the Upper Pennsylvanian age Elgin Sandstone Member of the Vamoosa Formation. Elgin sands were deposited in a shallow-marine to marginal-marine environment governed by the distributary pattern of a delta. The Vamoosa Formation is a member of the Vamoosa-Ada aquifer of east-central Oklahoma, an important source of water underlying parts of Osage, Pawnee, Payne, Creek, Lincoln, Okfuskee, and Seminole Counties. The aquifer consists of very-grained sandstone, siltstone, shale, and conglomerate interbedded with very thin limestones. Figure 5 is a Geology Map of the area.

## **7.9. RADON**

Radon gas potential is a low-risk environmental hazard for the Site. According to the Oklahoma Geologic Survey Radon-Potential Map of Oklahoma (GM-32), Pawhuska lies in a White Zone, an area with low radon concentrations and minimum potential for radon health hazards. Radon is a naturally occurring radioactive gas formed by the spontaneous decay of isotopically unstable uranium to stable lead. Uranium is found in all rocks and soils. Radon is generated in the top 10-20 feet of the ground and either decays to a solid in the ground or escapes to the air. In air, the radon is





## **LEGEND**

**ZONE** 

**EXPLANATION** 

ΑE

AN AREA INUNDATED BY 100-YEAR FLOODING FOR WHICH BASE FLOOD **ELEVATIONS HAVE BEEN DETERMINED** 



AREAS LOCATED OUTSIDE THE 100-YEAR OR 500-YEAR FLOOD ZONES

SOURCE:



FEDERAL EMERGENCY MANAGEMENT AGENCY

PANEL 540 OF 1245 MAP NUMBER 40113C0540K

EFFECTIVE DATE: APRIL 2, 2008



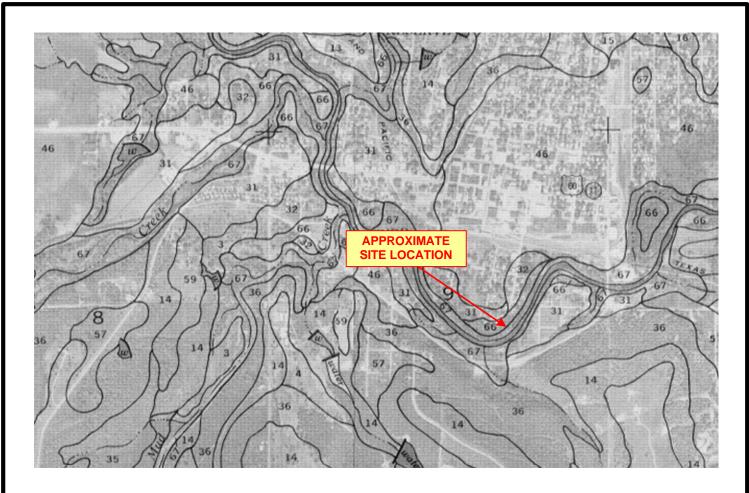
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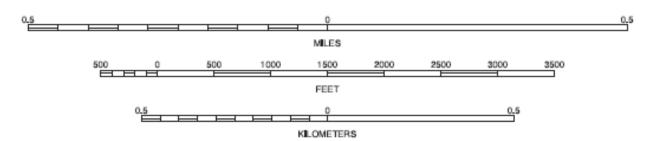
## FLOOD MAP

## ABANDONED RAILROAD EASEMENT PAWHUSKA, OKLAHOMA

SCALE:	DATE:	FIGURE NO.
As shown	01/28/2009	Figure 3
APPROVED BY:	DRAWN BY:	PROJECT NO.
CBM	СВМ	1266.PHI.00



## SCALE 1:12000



## **LEGEND**

- 14- DARNELL-STEPHENVILLE COMPLEX, 1 TO 8 PERCENT SLOPES
- 31- MASON SILT LOAM, 0 TO 1 PERCENT SLOPES
- 32- MASON SILT LOAM, 1 TO 3 PERCENT SLOPES
- 46- OSAGE SILTY CLAY
- 57- STEEDMAN-COWETA COMPLEX, 3 TO 15 PERCENT SLOPES
- 66- VERDIGRIS SILT LOAM
- 67- VERDIGRIS SOILS
- 70- WYNONA SILTY CLAY LOAM





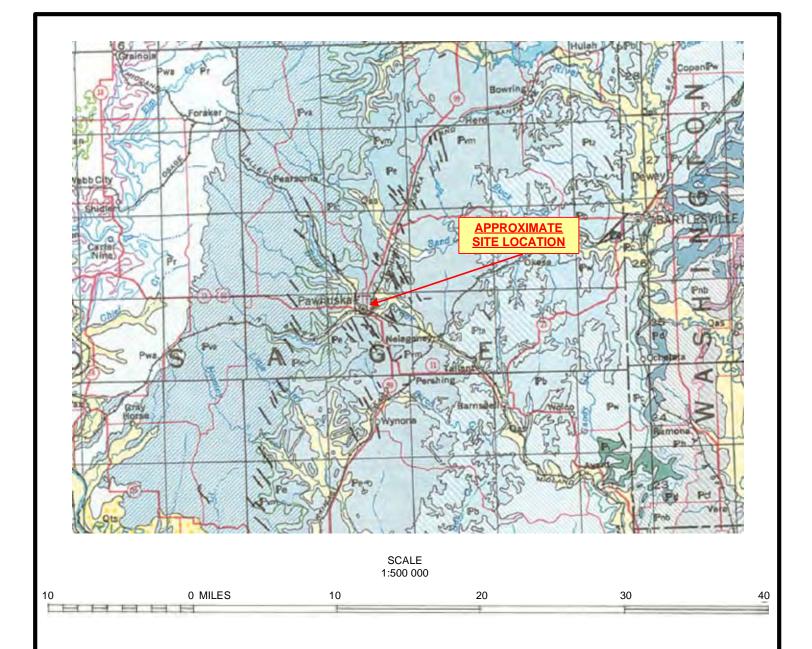
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## SOIL MAP

## ABANDONDED RAILROAD EASEMENT PAWHUSKA, OKLAHOMA

	SCALE:	DATE:	FIGURE NO.
	1:12000	01/28/2009	Figure 4
	APPROVED BY:	DRAWN BY:	PROJECT NO.
	CBM	CBM	1266.PHI.00





Pva- VANOSS AND ADA FORMATIONS Pe- ELGIN SANDSTONE Pvm- VAMOOSA FORMATION Pma- McALESTER FORMATION Pta- TALLANT FORMATION Qas- ALLUVIIUM

Pcf- COLLINGS RANCH FORMATION

PIC- LECOMPTON LIMESTONE Pb- BARNSDALL FORMATION Pw- WANN FORMATION

Pc- CHANUTE FORMATION Ph- HOGSHOOTER LIMESTONE

Pd- DEWEY FORMATION

SOURCE: GEOLOGIC MAP OF OKLAHOMA U.S. GEOLOGICAL SURVEY HUGH D. MISER 1954



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## **GEOLOGY MAP**

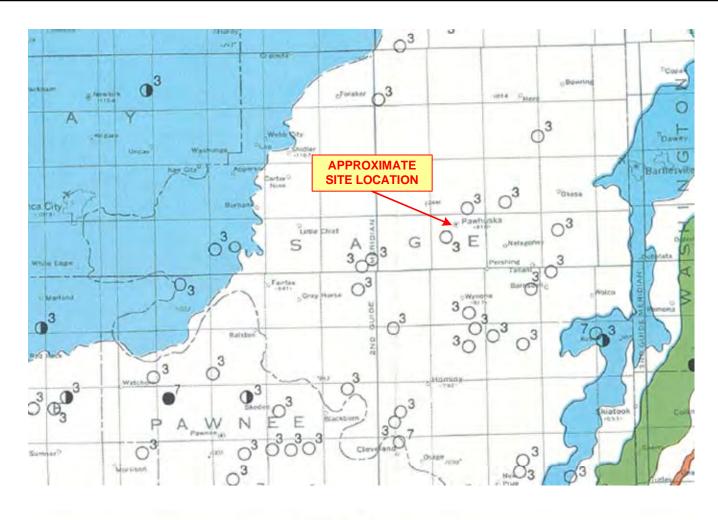
## ABANDONED RAILROAD EASEMENT PAWHUSKA, OKLAHOMA

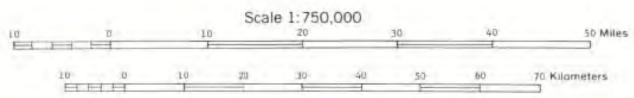
SCALE:	DATE:	FIGURE NO.
1:500 000	01/28/2009	Figure 5
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APPROVED BY:	DRAWN BY:	PROJECT NO.
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generally diluted to very low concentrations before decaying. However, in buildings and houses, radon can accumulate to concentrations considered to present a health hazard. Hazards occur in low places such as basements and unventilated spaces. Figure 6 is a Radon Map.

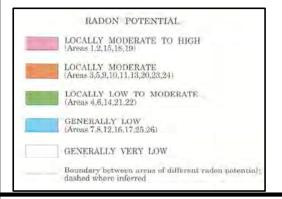
## 7.10. OIL AND GAS WELLS

According to a review of information provided by the Osage Nations, no known oil wells, gas wells, or dry holes exist on the subject Site. No currently visible surface evidence of oil wells, gas wells, or abandoned drilling sites was observed on-site during the Site inspection. Information provided by Mr. Darin West indicated that there is one well located south of the Site; however, Mr. West also stated that the mapping of the well location is based on very old data and, due to differing map projections, could actually be located anywhere within an approximate 0.5 mile radius. Figure 7 is a map showing known locations of oil wells drilled in the area of the Site.





1990



SOURCE:
RADON - POTENTIAL MAP OF OKLAHOMA
JAMES R. FLOOD, TOM B. THOMAS,
NEIL H. SUNESON, AND KENNETH V. LUZA

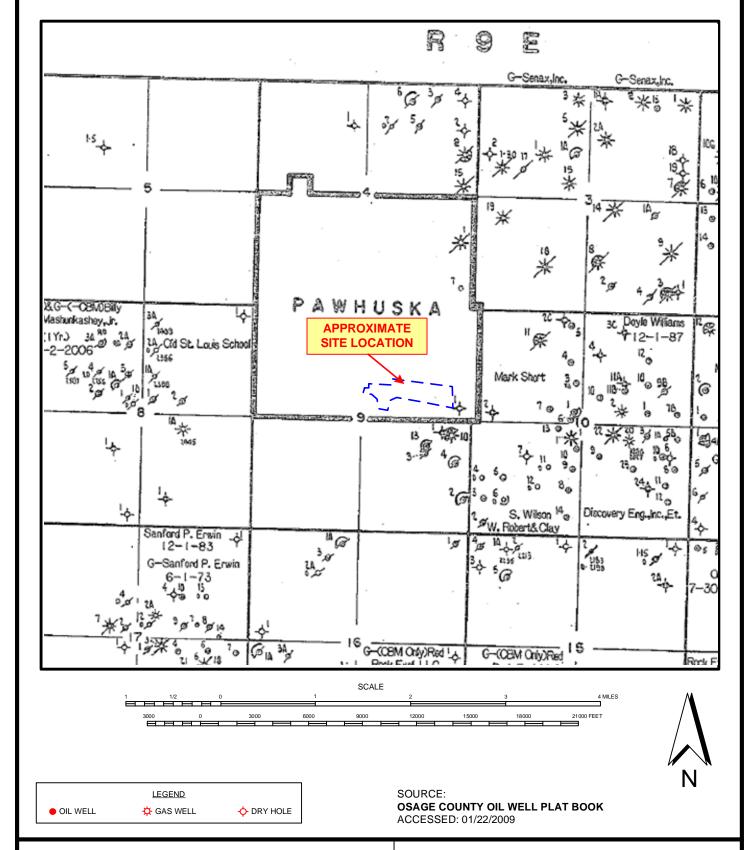
## **RADON MAP**

## ABANDONED RAILROAD EASEMENT PAWHUSKA, OKLAHOMA

SCALE:		DATE:	FIGURE NO.
1:7	750 000	01/28/2009	Figure 6
APPROVE	ED BY:	DRAWN BY:	PROJECT NO.
	CBM	СВМ	1266.PHI.00

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## OIL AND GAS MAP

## ABANDONED RAILROAD EASEMENT PAWHUSKA, OKLAHOMA

	<u>*</u>	
SCALE:	DATE:	FIGURE NO.
AS SHOWN	02/06/09	Figure 7
APPROVED BY:	DRAWN BY:	PROJECT NO.
CBM	СВМ	1266.PHI.00

## 8.0 HISTORICAL REVIEW

During the course of this Phase I ESA, various forms of historical documentation and available resources were evaluated to determine a history of the previous uses of the subject property and surrounding area. In order to help identify the likelihood of past uses having potentially led to a recognized environmental condition in connection with subject Site, the following documents were reviewed:

## 8.1. HISTORICAL AERIAL PHOTOGRAPHS

ALL obtained the 1981, 1984, 1995, and 2005 aerial photographs from EDR. The historical aerial photographs are provided in **Appendix E**. The 1974 aerial photograph is contained within the Figure 3 soils map.

## 1974 Historical Aerial Photograph:

The U.S. Department of Agriculture and Soil Conservation Service Soil Service of Osage County Oklahoma contains soil maps compiled from 1974 aerial photographs by The U.S. Department of Agriculture and Soil Conservation Service and cooperating agencies. Map 90 of this text covers the City of Pawhuska with an aerial photograph, 1:20,000 scale. At this scale, the City of Pawhuska is readily visible as are apparently paved roads and as well as some dirt roads located within the Site. The Site is visible, including the railroad turn-around/maintenance area. Large structures are typically identifiable as lighter hued areas, but at this scale detail is not readily apparent. Clear Creek and Bird Creek, along with its meanders, are highly visible.

## 1981 Historical Aerial Photograph:

In the 1981 photo, the Site is visible as an area of lesser development in the south-central extremity of the City of Pawhuska, and immediately north of the largest meander of Bird Creek. The railroad turn-around area, railroad station building, and railroad track location are identifiable west of Lynn Avenue to Kihekah Avenue on the western boundary of the Site. Bird Creek, Highways 11, 60 and most City of Pawhuska roads are apparent on this aerial photograph. Some dirt roads within the Site are also readily visible. Individual structures are not readily apparent in any detail. The adjoining properties to the north, south, east, and west of the Site are identifiable as well as Main Street, Lynn Avenue, South Prudom Avenue, and 4<sup>th</sup> Street. The adjoining properties to the east, south, and west of the railroad turn-around area consist of developed residential areas. Other properties adjacent to the Site are zoned as commercial light, industrial light, or commercial general.

## 1984 Historical Aerial Photograph:

In the 1984 photo, no significant changes to the Site are discernable from the 1981 photo.

## 1995 Historical Aerial Photograph:

In the 1995 photo, the approximate Site location is apparent as a relatively barren area in the south-central portion of the photograph. Paved roads and highways are easily identified. Dirt roads within the Site are more apparent, as are individual buildings in and adjacent to the Site. No significant changes are noted to the Site and adjacent properties

## 2005 Historical Aerial Photograph:

The 2005 photo, with a slightly smaller scale and in color, allows features to be more readily visible. The overall Site is readily apparent as a lesser developed area in the south-central portion of the photograph. The approximate Site boundaries of 5<sup>th</sup> Street (north), Lynn Avenue (south), 3<sup>rd</sup> Street and the southern terminus of the turn-around area (south), and Kihekah (west) are all visible. The railroad station is visible as a red-roofed structure in the western one-half of the Site. The portion of Bird Creek to the south and east of the Site, Bird Creek bridge (immediately southeast of the southeastern corner of the Site), and individual structures are readily visible, as are highways, roads, and dirt roads, specifically within the Site. As with the preceding aerial photographs, no significant changes, excepting clarity and color, are noted in the Site or adjacent properties.

## **8.2. ABSTRACT DOCUMENTS**

The abstract document for the subject site was not reasonably ascertainable during the course of the records review due to time restraints. The absence of the abstract document is not considered to be significant to the conclusions and recommendations of this report as information obtained through the Site visit, property owner and adjoining property owner interviews, and historical documentation (topographic maps, aerial photographs, Sanborn Maps, and City directories) reviews is believed to have provided the same information as would be obtained from the abstract if it had been available.

## 8.3. HISTORICAL SANBORN MAPS

ALL obtained the 1894, 1898, 1901, 1903, 1907, 1912, 1916, 1920, 1927, and 1958 fire insurance maps (Sanborn Maps) from EDR for review. **Appendix F** contains a copy of the Sanborn Maps.

## 1894 Sanborn Map:

In the 1894 Sanborn Map, only the intersection of E. 5<sup>th</sup> Street and Kihekah Avenue located northwest of the site is depicted. Four structures, including a stable and a church are located on the northern side of E. 5<sup>th</sup> Street and six structures, including a school, a residential property, and a lumber shed, are shown west of Kihekah Avenue.

## 1898 Sanborn Map:

The 1898 Sanborn map depicts only the intersection of E. 5<sup>th</sup> Street and Kihekah Avenue, northwest of the site. Two more buildings appear west of Kihekah Avenue, but no discernable details are shown. The school building located west of Kihekah Avenue is now shown as a residential property. The rest of the site appears to be unchanged from the 1894 Sanborn map.

## 1901 Sanborn Map:

In the 1901 Sanborn Map, only the intersection of E. 5<sup>th</sup> Street and Kihekah Avenue, northwest of the site is depicted. One new residential property is shown south of E. 5<sup>th</sup> Street and one new building is shown north of E. 5<sup>th</sup> Street, although details of the structures cannot be discerned.

## 1903 Sanborn Map:

In the 1903 Sanborn Map, only the intersection of E. 5<sup>th</sup> Street and Kihekah Avenue, northwest of the site is depicted. Several additional residential properties are depicted north of the western portion of the Site. The site and surrounding properties appear largely unchanged from the 1901 Sanborn Map.

## 1907 Sanborn Map:

In the 1907 Sanborn Map, only the northwest corner of the Site is depicted. Immediately northwest of the Site, a residential property and a lumber shed and office are shown as being associated with Spurrier Lumber Company. A railroad identified as the Main Line is depicted entering the Site from the west. Two structures associated with Pawhuska Bottling Works are shown west of the Site and north of 4th Street.

## 1912 Sanborn Map:

In the 1912 Sanborn Map, only the north and northwest portions of the Site are depicted. A section of railroad track is shown running east to west along the northern portion of the Site. A structure located south of Spurrier Lumber Co. is identified as containing lime. A structure identified as a wagon and buggy warehouse is shown north of this section of track at the corner of E. 5<sup>th</sup> Street and Leahy Avenue. A 4-inch pipe is depicted running north and south along both Leahy and Kihekah Avenue. Several residential properties are depicted within the northern edge of the Site. The Pawhuska Cotton Gin, with several warehouses, and a main gin and press building is depicted in the middle of the eastern portion of the Site. The Pawhuska Asphalt Pavement Co. and the Pawhuska Mill & Elevator Co. are shown within the middle of the central portion of the Site.

## 1916 Sanborn Map:

In the 1916 Sanborn Map, only the north and western portions of the Site are depicted. In the northwest portion of the Site, a structure is identified as containing telephone supplies. Three more tracks of railroad are shown running east to west through the middle of the Site. The Midland Valley Railroad Freight & Passenger Station is shown in the mid-west portion of the Site. A structure containing agricultural products and a restaurant are located west of the passenger and freight station. The dilapidated ruins of an asphalt plant are shown north of the railroad tracks in the middle of the central portion of the Site. A structure holding oil well supplies is located on the northern edge of the central portion of the Site. The Pawhuska Mill & Elevator Co. is shown east of the asphalt plant ruins in the central portion of the Site. This mill was built in 1909 and contains a gas engine, and corn processing machinery on premises. The mill is not supplied with heat or light. Two structures associated with Pierce Oil Corporation are located in the middle of the central portion of the Site. A motor car shed is located just south of Pierce Oil Corporation.

## 1920 Sanborn Map:

The 1920 Sanborn map depicts the Atlas Supply Co. pipe yard and two oil well supply warehouses along the northern edge of the western portion of the Site. A residential neighborhood, Murray Tool & Supply Co., and two rig and reel warehouses are located south of the western portion of the Site. The Murray Tool & Supply Co. is identified as a manufacturer of oil well supplies. A coke shed is identified north of the Murray Tool & Supply Co and on the southern edge of the Site. A railroad turnaround is now shown on the southern edge of the western portion of the Site with three maintenance buildings in the vicinity. The Dickason Goodman Lumber Co. is shown to have a lime/cement warehouse and timber and lumber piles in the vicinity along the northern edge of the central portion of the Site. The Harris Grain & Produce Co. has taken the place of the Pawhuska Mill & Elevator Co. in the middle of the central portion of the Site. Adjoining S. Prudom Avenue to the west is the Republic Supply Co. which contains oil well supplies. An area described as a pipe yard is located in the middle of the Site between the Republic Supply Co. and Pearce Oil Co. Four-

225 gallon and one 290 gallon gasoline USTs are depicted south of the central portion of the Site. These tanks are located north of Acme Laundry & Dry Cleaners, which also has three ASTs containing water inside the building. Several residential properties are located south of the central portion of the Site along with a pool identified as being iron clad. A railroad water tank, a coal shed, and a railroad pump house are shown southeast of the motor car shed along the southern edge of the central portion of the Site. Linden Refining Co. is located immediately east of Pearce Oil Co. in the middle of the central portion of the Site. An oil warehouse and at least three oil tanks of unknown size are in the vicinity of the refining company. An oil warehouse located north of the central portion of the Site in an area identified as Marland Refining Co. contains one 10,000 gallon gasoline tank and one 10,000 gallon kerosene tank. An area identified as W.R. Pickering Lumber Co. is located on the northern edge of the eastern portion of the Site and contains lumber and timber reserves. Frick Reid Supply Co., which sells oil well supplies, is located west of S. Rogers Avenue on the west side of the eastern portion of the Site. An apparent lumber business with lumber piles and sheds is located east of S. Rogers Avenue in the middle of the eastern portion of the Site. A gasoline pump is located on the northern edge of the eastern portion of the Site. The Pawhuska Oil & Gas Co., which houses oil well supplies on the premises, is located north of the northeastern corner of the Site. The Texas Oil Co. is located on the eastern edge of the Site and has an oil warehouse on its premises. Adkins Hay & Feed Co., with a hay and feed warehouse is located immediately southwest and possibly joined with the Texas Oil Co. A hay warehouse is depicted near the eastern edge of the eastern portion of the Site.

## 1927 Sanborn Map:

On the northern edge of the western portion of the Site, a wholesale grocery warehouse associated with Nash-Finch Co. has replaced Atlas Supply Co.'s pipe yard. On the southern edge of the western portion of the Site, an unidentified warehouse is now depicted. The multiple maintenance buildings in the vicinity of the railroad turn-around are now absent. A large structure identified as bottling works and a garage is shown to be located north of the western edge of the Site. A structure identified as Thurman Mill Works has taken the place of Dickason Goodman Lumber Co. on the northern edge of the middle portion of the Site. A grain and hay warehouse is depicted east of Prudom Avenue in the middle of the central portion of the Site, where Republic Oil Well Supply Co. was formerly located. On the eastern side of the central portion of the Site, Pierce Petroleum Corporation has moved its buildings, including an oil warehouse, to the north and an auto repair warehouse has taken its former position. A gas meter house is located south of the southern edge of the Site. A machine shop is located north of the eastern portion of the Site. Benson Oil Company is depicted west of Rogers Avenue in the middle of the eastern portion of the Site. South of Benson Oil Co. is Continental Oil Co., which has an oil warehouse and two oil tanks of unknown size. George Ehlars Oil Co. is located on the eastern side of Rogers Avenue. This location contains an oil tank of unknown size and a building material warehouse to the east. The Texas Oil Co., located on the eastern edge of the Site, now shows an oil tank of unknown size and a gasoline engine on its premises. The Smith & Stanfield Inc. Lumber Yard & Planing Mill is located on the eastern edge of the Site and contains several lumber piles, a building material warehouse and a planning mill building. The Barnsdall Refining Co. and Magnolia Petroleum Co. are both located east of the Site. Each company owns two oil tanks of unknown size. The Pawhuska Cotton gin is located east of the Site and contains a cotton gin and press building a two seed warehouses. Chas A. Leech Lumber Co. is located southeast of the Site.

#### 1958 Sanborn Map:

An oil tank of unknown size is shown north of the western portion of the Site at Benson Lumber Co. Two oil warehouses and four oil tanks are depicted on the northern edge of the eastern portion of the Site. A truck repair shop replaced Thurman Mill Works on the northern edge of the central portion of the Site. Near the northern edge of the central portion of the Site are four oil tanks of unknown size, an oil pump house, and an oil warehouse on the western edge of Prudom Avenue. This property appears to continue to the eastern side of Prudom Avenue where there is a 300 gallon propane tank, and oil warehouse, and oil pump house, and three oil tanks of unknown size. The buildings which were identified as Pierce Petroleum Corporation on the eastern side of the central portion of the Site are now absent. A machine shop north of the eastern portion of the Site is depicted adjacent to Lawrence Avenue. The Texas Co. on the eastern edge of the Site has added an oil tank of unknown size. The Barnsdall Refining Co. has replaced its two oil tanks with three new oil tanks of unknown size. The State Highway Department is now located southeast of the Site in the former location of Chas. A. Leech Lumber Co. The Benson Oil Co., Continental Oil Co., Geoge Ehlans Co., Magnolia Petroleum Co., and the Pawhuska Gin are no longer present on the 1958 Sanborn Map.

#### 8.4. TOPOGRAPHIC MAPS

Topographic Maps were obtained from Environmental Data Resources, Inc. for the years 1909, 1960, and 1979 (photo-revised from the 1960 map). **Appendix G** contains a copy of available Topographic Maps.

#### 1909 Topographic Map:

The 1909 topographic map (1:125,000 scale) depicts City of Pawhuska and tributaries to Bird Creek.

#### 1960 Topographic Map:

In the 1960 map (1:24,000 scale) shows much more detail than the 1909 map. The City of Pawhuska's boundaries are shaded red, with streets and major buildings in the city located. The railroad tracks are located on this map as are the railroad station and two other buildings on the railroad easement. The residential areas immediately west and east-southeast of the railroad turn-around area are also located on the map. Highway 11 is depicted on the southeast corner of the map proceeding north-northwest, turning west and becoming Main Street through the City of Pawhuska. Two schools and approximately fourteen churches are located on the topographic map.

#### 1979 (photo-revised) Topographic Map:

The 1979 topographic map (1:24,000 scale) depicts no significant changes at or near the Site from the 1960 map.

#### 8.5. CITY DIRECTORIES

City Directories for the subject site were obtained from Environmental Data Resources, Inc. for the year of 1997 only. **Appendix H** contains a copy of City Directories.

#### 1997 City Directory:

The Site is listed as containing five residential properties, the Pawhuska Street Department at 406 South Lynn Avenue, and Formby Oil Company at 400 Prudom Avenue

#### **8.6. PRIOR ENVIRONMENTAL SITE ASSESSMENTS**

One Environmental Site Assessment was reportedly performed by ITEC, Tahlequah, Oklahoma, according to The Osage Nation Environmental and Natural Resources Department. Subsequent information provided by ITEC indicates that this was an informal property evaluation conducted by ITEC for the Osage Nation and that no environmental report was ever produced.

#### 8.7. ADDITIONAL HISTORICAL RESOURCES

None

#### 9.0 INTERVIEWS

Interviews were conducted with land owners, government officials, and neighbors to obtain information indicating if there are any recognized environmental conditions in relation to the subject site.

#### 9.1.1. CURRENT LANDOWNER'S REPRESENTATIVE

Mr. Webster interviewed Ms. Diane Daniels, Director, Osage Nation Environmental and Natural Resources Department, who is familiar with the Site. Ms. Daniels while not aware of any specific potential environmental threats for impact to the site from hazardous chemicals or petroleum products, could not state that there is no potential, given the historic use of the Site. According to Ms. Daniels, asbestos containing material, herbicides, and lead-based paint may present a concern on the Site.

Mr. Mark Webster interviewed Mr. Darin West, Project Specialist, Osage Nation Environmental and Natural Resources Department who also is familiar with the Site. Mr. West has been closely associated with the Site for two years in his current position and stated that to his knowledge there are no environmental permits filed associated with the property. He also stated that while he is not aware of any specific environmental threats for impact to the Site from hazardous chemicals or petroleum products, that historic usage may present various environmental concerns.

#### 9.1.1. STATE AND LOCAL GOVERNMENT OFFICIALS

Mr. Webster interviewed Mr. Ray Roberts, an Environmental Program Specialist with the ODEQ Voluntary Cleanup Program (VCP) regarding the Site. Mr. Roberts reviewed the comprehensive list of Oklahoma Voluntary Cleanup Sites and determined the Site was not listed in the ODEQ database on VCP sites, and no active VCP locations were within the immediate area of the Site.

Mr. Webster also interviewed Mr. Don Hench, an Environmental Program Specialist with the ODEQ. Mr. Hensch could not identify RCRA Generators; Treatment, Storage, Disposal (TSD) facilities, municipal landfills, or superfund sites listed in or near the City of Pawhuska.

Mr. Webster interviewed Mr. Paul McAlexander, City Manager for the City of Pawhuska on January 29, 2009. A research of County records revealed no current liens, deed restrictions, or Activity and Use Limitations (AUL). Mr. McAlexander also stated that he was unaware of any activity use limitations or environmental liens associated with the subject Site or adjacent properties.

#### 9.1.2. ADDITIONAL INTERVIEWS

Mr. Mark Webster interviewed Mr. Robert Wilson, (Former City Attorney, City of Pawhuska), on January 29, 2009. Mr. Wilson was the City Attorney for the City of Pawhuska for 36 years and has been familiar with the Site and activities in the areas surrounding the site. Mr. Wilson was not aware of any potential environmental threats for impact to the Site from hazardous chemicals or petroleum products. Mr. Wilson indicated the Site is zoned commercial general.

Mr. Jerry Loftis was interviewed by Mr. Mark Webster on January 29, 2009. Mr. Loftis is the owner of Pawhuska Auto Mart, and stated that the Pawhuska Auto Mart was a Texaco bulk plant and

gasoline outlet and was registered for ASTs. Mr. Loftis stated that there are no violations of environmental law or possible liability associated with the Pawhuska Auto Mart. Mr. Loftis has lived in Pawhuska for 40 years.

Mr. Webster interviewed Mr. Lee Ray Reynolds, retired from the Union Pacific Railroad after 36 years. Mr. Reynolds worked in and out of Pawhuska for the majority of his career and is very familiar with the Site. Mr. Reynolds remembers no derailments causing any spills. He does remember "one or two cars on the ground" due to poor tract conditions. He does remember "spray trains" that distributed herbicides along the tracks and crossing areas.

#### 9.2. PROPERTY USAGE

According to historical resources, the subject site was initially developed for use as a railroad maintenance facility, depot and turn-around area. Historic use of areas adjacent to the railroad tracks included storage of bulk petroleum products and retail sales of petroleum products. Additionally oil field equipment was and is stored on property immediately adjacent to the Site. Currently, the Site consists of building in various stages of disrepair, a number of locations where refuse (construction demolition, empty 55-gallon drums, household refuse, oil field equipment and other unidentified machinery) has been discarded, and vacant land. On the vacant land concrete footings of previous buildings are easily recognizable.

#### 10.0 HISTORICAL RESOURCES DATA GAPS

Historical Resources Data Gaps do not exist for the Site.

#### 11.0 ACTIVITY AND USE LIMITATIONS

According to Osage County lien search records, there are no reported deed restrictions, restricted covenants, easements, zoning, or institutional and/or engineering controls, such as environmental liens that have been filed or recorded under federal, tribal, state, or local law.

According to information supplied by the Osage County Land Records Department, there are no engineering or institution controls for the subject site.

#### 12.0 REGULATORY RECORDS REVIEW

Based upon our review and interpretation of records acquired from EDR, existing evidence was found concerning the site, which could cause environmental degradation to the site. The following information was reviewed to determine potential environmental degradation:

- 1) EPA Comprehensive Environmental Response, Compensation and Liability Act Information System (CERCLIS)
- 2) EPA Resource Conservation and Recovery Information System (RCRIS)
- 3) Oklahoma Registered Underground Storage Tank/Leaking Underground Storage Tank (UST/LUST)
- 4) EPA Facility Index System (FINDS)
- 5) EPA Emergency Response Notification System (ERNS)
- 6) State of Oklahoma Permitted Solid Waste Disposal and Processing Facilities
- 7) Local Government and tribal records.

The EPA, ODEQ, and OCC learn of these sites in various ways such as notification by the owner, citizen complaints, state and local government identification and as a result of other EPA investigations. These records are updated in accordance to ASTM E 1527-05, unless otherwise noted. A copy of relevant regulatory records can be found in Appendix I.

# <u>Comprehensive Environmental Response, Compensation, and Liability Act – CERLCIS (1 mile radius)</u>

CERCLIS data lists facilities that contain potentially hazardous waste sites that have been reported to the US EPA by states, municipalities, private companies and private persons, pursuant to Section 103 of CERCLA. According to EDR information, there is one CERCLIS site listed within the searched area.

• Deckard's Welding & Machine, 320 Girard Ave. (0.047 miles W). This location is downgradient to the Site and contains an inactive welding and machine shop consisting of one abandoned building, cars, trailers, equipment, trash piles, and debris throughout the property. This facility is not considered to pose a threat to the Site due to its downgradient position and currently inactive status.

# <u>Comprehensive Environmental Response, Compensation, and Liability Act – No Further Remedial Action Planned – CERLCIS-NFRAP (1 mile radius)</u>

According to EDR information, the subject Site is not listed as a CERCLIS-NFRAP facility. There are no CERCLIS-NFRAP facilities within a 1 mile radius of the Site.

## <u>CERCLA Lien Information – LIENS 2 (0.5 mile radius)</u>

According to EDR information, the Site is not listed as being in the LIENS 2 database. There are no properties within a 0.5 mile radius found in the LIENS 2 database.

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# <u>Resource Conservation and Recovery Act-Corrective Action - RCRA-CORRACTS (1.5 mile radius)</u>

According to EDR information, the subject site is not listed as a RCRA-CORRACTS facility. There are no facilities located within a one-mile radius of the site that are registered in the RCRA-CORRACTS database.

# <u>Resource Conservation and Recovery Act-Treatment, Storage, Disposal Facility - RCRA-TSDF</u> (1 mile radius)

According to EDR information, the subject site is not listed as a RCRA-TSD facility. There are no facilities located within a 1 mile radius of the site that are registered with the RCRA-TSD.

# <u>Resource Conservation and Recovery Act-Large Quantity Generator - RCRA-LQG (0.75 mile radius)</u>

According to EDR information, the Site is not listed as a RCRA-LQG facility. There are no RCRA-LQG facility within a 0.75 mile radius of the Site.

# <u>Resource Conservation and Recovery Act- Small Quantity Generators – RCRA-SQ (0.75 mile radius)</u>

According to EDR information, the subject Site is not listed as a RCRA-SQG facility. There are no facilities in the 0.75 mile radius that are RCRA-SQG facilities.

## <u>Resource Conservation and Recovery Act-Conditionally Exempt Small Quantity Generators –</u> RCRA-CESQ (0.75 mile radius)

While the Site is not listed as a RCRA-CESQG, there is one RCRA-CESQG facilities located within a 0.75 mile radius of the Site.

• Pawhuska Daily Journal Capital, 700 Kihekah (0.220 miles NW)

As there are no records indicating violations relating to this facility, it poses minimal threat for impact to the subject Site.

# <u>Resource Conservation and Recovery Act-Non Generators – RCRA-NonGen (1 mile radius)</u> According to EDR information, the Site is not listed as a RCRA-NonGen location. There are no RCRA-NonGen facilities located within 1 mile of the Site.

#### Engineering Controls Sites List- US INST Control (1 mile radius)

According to EDR information, the Site is not listed in the UST INST Control database. There are no properties listed in the US INST Control database within 1 mile of the Site.

#### Institutional Controls Sites List- US INST Control (1 mile radius)

According to EDR information, the Site is not listed in the UST INST Control database. There are no properties listed in the US INST Control database within 1 mile of the Site.

#### Emergency Response Notification System - ERNS (0.5 mile radius)

According to EDR information, the subject site is not listed as an ERNS facility. There are no facilities within 0.5 miles of the Site listed in the ERNS facilities list.

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## Hazardous Materials Information Reporting System - HMIRS (0.5 mile radius)

According to EDR information, the subject site is not listed in the HMIRS database. There are no facilities within 0.5 miles of the Site listed in the HMIRS database.

#### Incidentand Accident Data – DOT OPS (0.5 mile radius)

According to EDR information, the subject site is not listed in the DOT OPS database. There are no facilities within 0.5 miles of the Site listed in the DOT OPS database.

#### Clandestine Drug Labs - CDL (0.5 mile radius)

According to EDR information, the subject site is not listed in the CDL database. There are no facilities within 0.5 miles of the Site listed in the CDL database.

#### US Brownfields (1 mile radius)

According to the EDR information, there are no US Brownfields listings within the Site. There are no US Brownfields listings within a 1 mile radius of the Site.

#### Department of Defense Sites - DOD (1.5 mile radius)

According to EDR information, the subject site is not listed in the DOD database. There are no facilities within 1.5 miles of the Site listed in the DOD database.

#### Formerly Used Defense Sites - FUDS (1.5 mile radius)

According to EDR information, the subject site is not listed in the FUDS database. There are no facilities within 1.5 miles of the Site listed in the FUDS database.

#### *Land Use Control Information System - LUCIS (1 mile radius)*

According to EDR information, the subject site is not listed in the LUCIS database. There are no facilities within 1 mile of the Site listed in the LUCIS database.

#### Superfund (CERCLA) Consent Decrees - CONSENT (1.5 mile radius)

According to EDR information, the subject site is not listed in the CONSENT database. There are no facilities within 1.5 miles of the Site listed in the CONSENT database.

#### Record of Decision - ROD (1.5 mile radius)

According to EDR information, the subject site is not listed in the ROD database. There are no facilities within 1.5 miles of the Site listed in the ROD database.

#### *Uranium Mill Tailings Sites - UMTRA (1 mile radius)*

According to EDR information, the subject site is not listed in the UMTRA database. There are no facilities within 1 mile of the Site listed in the UMTRA database.

#### Open Dump Inventory - ODI (1 mile radius)

According to EDR information, the subject site is not listed in the ODI database. There are no facilities within 1 mile of the Site listed in the ODI database.

#### Torres Martinez Reservation Illegal Dump Site Locations – DEBRIS REGION 9 (1 mile radius)

According to EDR information, the subject site is not listed in the DEBRIS REGION 9 database. There are no facilities within 1 mile of the Site listed in the DEBRIS REGION 9 database.

#### Mines Master Index File - MINES (0.75 mile radius)

According to EDR information, the subject site is not listed in the MINES database. There are no facilities within 0.75 miles of the Site listed in the MINES database.

#### *Toxic Chemical Release Inventory System - TRIS (0.5 mile radius)*

According to EDR information, the subject site is not listed in the TRIS database. There are no facilities within 0.5 miles of the Site listed in the TRIS database.

# <u>Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA)/ TSCA Tracking System – FTTS</u> (0.5 mile radius)

According to EDR information, the subject site is not listed in the FTTS database. There are no facilities within 0.5 miles of the Site listed in the FTTS database.

#### FIFRA/TSCA Tracking System Administrative Case Listing – HIST FTTS (0.5 mile radius)

According to EDR information, the subject site is not listed in the HIST FTTS database. There are no facilities within 0.5 miles of the Site listed in the HIST FTTS database.

#### Section 7 Tracking System - SSTS (0.5 mile radius)

According to EDR information, the subject site is not listed in the SSTS database. There are no facilities within 0.5 miles of the Site listed in the SSTS database.

#### *Integrated Compliance Information System – ICIS (0.5 mile radius)*

According to EDR information, the subject site is not listed in the ICIS database. There is one ICIS facility within 0.5 miles of the Site listed in the ICIS database.

• City of Pawhuska Storage Facility, 710 West 10<sup>th</sup> Street (0.403 miles N-NE) This location was subject to Class I Penalty Enforcement Action.

Due to the distance of this location from the Site, it is considered to pose minimal threat for adverse impact to the Site.

#### PCB Activity Database System - PADS (0.5 mile radius)

According to EDR information, the subject site is not listed in the PADS database. There are no facilities within 0.5 miles of the Site listed in the PADS database.

#### Material Licensing Tracking System - MLTS (0.5 mile radius)

According to EDR information, the subject site is not listed in the MLTS database. There are no facilities within 0.5 miles of the Site listed in the MLTS database.

#### Radiation Information Database - RADINFO (0.5 mile radius)

According to EDR information, the subject site is not listed in the RADINFO database. There are no facilities within 0.5 miles of the Site listed in the RADINFO database.

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#### FINDS- Facility Indexed System (0.5 mile radius)

According to the EDR information, there are no FINDS listings within the Site. There are three FINDS listings within a 0.5 mile radius of the Site.

- City of Pawhuska Storage Facility, 710 West 10<sup>th</sup> Street (0.403 miles N-NE)
- Pawhuska Daily Journal Capital, 700 Kihekah (0.220 miles NW)
- Deckard's Welding & Machine, 320 Girard Avenue (0.047 miles W)

This database only indicates if a facility is identified in other governmental databases.

#### RCRA Administrative Action Tracking System - RAATS (0.5 mile radius)

According to EDR information, the subject site is not listed in the RAATS database. There are no facilities within 0.5 miles of the Site listed in the RAATS database.

State Coalition for Remediation of Drycleaners Listing - SCRD DRYCLEANERS (0.5 mile radius) According to EDR information, the subject site is not listed in the SCRD DRYCLEANERS database. There are no facilities within 0.5 miles of the Site listed in the SCRD DRYCLEANERS database.

#### *The Land Report – SHWS (1.5 mile radius)*

According to EDR information, the subject site is not listed in the SHWS database. There are no facilities within 1.5 miles of the Site listed in the SHWS database.

#### Permitted Solid Waste Disposal & Processing Facilities – SWF/LF (1 mile radius)

According to EDR information, the subject site is not listed in the SWF/LF database. There are no facilities within 1 mile of the Site listed in the SWF/LF database.

#### *Leaking Underground Storage Tanks – LUSTs (1 mile radius)*

According to EDR information, the subject Site is not listed as a LUST facility. There are five LUST locations registered within a 1 mile radius of the Site.

- Formby Oil Company, 238 East Main Street (0.080 miles NW)
  Formby Oil Company is upgradient from the Site. On April 4, 1996 the case of a suspected release was opened and was subsequently closed May 5, 1997. On May 5, 1997 a case of a confirmed release was opened and subsequently closed July 11, 2000.
- Jerry E. Collins, 201 East Main Street (0.076 miles NW)
  Jerry E. Collins is upgradient from the Site. On November 14, 1985 a case of a confirmed release was opened. According to EDR, the case has not been closed.
- Formby Phillips 66 Station, 301 East Main Street (0.047 miles N-NW)
  Formby Phillips 66 Station is upgradient from the Site. On August 17, 2001 the case of a suspected release was opened. This was followed by the opening of a case of a confirmed release on November 7, 2001. The case of a suspected release was closed on the same date the confirmed release case was opened. The confirmed release case is still open.
- Timmons Total, 429 East Main Street (0.051 miles N)
  Timmons Total is upgradient from the Site. On December 22, 1997 a case of confirmed

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release was opened, and subsequently closed on December 6, 2000.

• EZ Mart Store #626, 521 East Main Street (0.051 miles N) EZ Mart is upgradient from the Site. On February 27, 2003 a case of a confirmed release was opened and subsequently closed on January 28, 2004.

The closed status indicates that either the LUST locations were found to have minimal contamination below any regulatory action threshold, or that the location was cleaned up to levels below any regulatory threshold. The facilities listed under a closed status present minimal threat for impact to the Site. The open cases for the Jerry Collins facility and the Formby Phillips 66 Station appear to pose a threat for impact to the Site due to their close proximity and upgradient positions. However, due to the ongoing regulatory oversight and the fact that groundwater flow in the area is to the east, the potential for these facilities to have an adverse environmental impact on the Site is considered to be insufficient to categorize them as an REC, although they are considered environmental findings.

#### <u>Underground Storage Tanks – USTs (0.75 mile radius)</u>

According to records acquired from EDR the Site does not contain a UST listing. There are fifteen UST listings within a 0.75 mile radius of the Site.

- Smiths APCO Station, 903 North Lynn Avenue (0.328 miles N) Smiths APCO has a total of four USTs to hold gasoline, two are currently in use and two are permanently out of use. The two in use are composite steel w/RFP, fiberglass reinforced plastic piping, contain gasoline, and hold 8,000 gallons. The two permanently out of use are asphalt coated or bare steel with fiberglass reinforced plastic. One UST held 8,000 gallons, the other 6,000 gallons. Both composite steel w/RFP USTs were installed December 1, 1990. The two asphalt coated or bare steel USTs were installed January 1, 1970.
- Maverick Mini Mart #26, 914 West Lynn Avenue (0.246 miles NW)
   Maverick Mini Mart #26 has three USTs, all in use. All USTs are composite (steel w/RFP) with fiberglass reinforced plastic piping, and are used to hold gasoline. All three were installed July 1, 1989 and hold 6,000 gallons.
- Oklahoma National Guard Armory, 823 East 8<sup>th</sup> (0.303 miles N-NE)
  The Oklahoma National Guard Armory has one UST that is permanently out of use. This
  UST was used to hold gasoline, made of asphalt coated or bare steel with galvanized steel
  piping, and was installed December 31, 1952. This UST had a 1,000 gallon capacity.
- John W. Atterberry, 717 Lynn Avenue (0.208 miles N)
  Two USTs are listed for John W. Atterberry. Both are permanently out of use with tank material, piping material, installation date, and substance stored not available in the EDR database. UST capacities were not listed in the EDR database.
- Phillips 66 Co. #005221, Main & Person (0.483 miles W-NW)

  There are four USTs listed for the Phillips 66 Co. #005221. All four are permanently out of use, and made of asphalt coated or bare steel with bare steel piping. Contents of three of the USTs were gasoline, with two of 4,000 gallon capacities and one of 6,000 gallon capacity. The fourth is indicated as being for used oil storage, with 560 gallons capacity.

- Preston D. Landrum, 210 West Main Street (0.144 miles NW)
   Three USTs are listed for Preston D. Landrum. All three are permanently out of use, are made of asphalt coated or bare steel, had galvanized steel piping, and were used to store gasoline. No installation date is listed. Two USTs had a 4,000 gallons capacity and the third a 6,000 gallon capacity.
- Lowery's Clothing Store, 127 West Main (0.010 miles NW)
   Lowery's Clothing Store is listed as containing two USTs, both permanently out of use, made of asphalt coated bare steel, used to store gasoline, and installed April 23, 1966.

   Piping material is unknown. One UST had a 1,000 gallon capacity and the other a 2,000 gallon capacity.
- Prudom St & Main Street, 238 East Main Street (0.076 miles NW)
   Prudom St. & Main St. is listed as containing two USTs. Both are permanently out of use, were constructed of cathodically protected steel, had bare steel piping, were installed March 25, 1972, and used to contain gasoline. Capacities of the USTs were 6,000 and 4,000 gallons.
- Southwestern Bell Telephone Co., 221 East Main Street (0.076 miles NW) Southwestern Bell is listed as having one UST. This UST is permanently out of use, was used to store kerosene, and made of asphalt coated or bare steel. Piping material is listed as "other", and no installation date is supplied. This UST had a 2,000 gallon capacity.
- Jerry E. Collins, 201 East Main Street (0.076 miles NW)
  Four USTs are listed to Jerry E. Collins. All four are permanently out of use, made of asphalt coated or bare steel, were used to contain gasoline, and installed September 27, 1984. Piping material is not supplied. Two of the USTs held 3,000 gallons, one held 2,000 gallons, and one held 8,000 gallons.
- Formby Phillips 66 Station, 301 East Main Street (0.047 miles N-NW) Formby Phillips 66 Station has four USTs. Three are currently in use; one is temporarily out of use. The three USTs in use are made of cathodically protected steel, have bare steel piping, and used to store gasoline. Two USTs used for gasoline storage have 4,000 gallon capacities, with the third having a 6,000 gallon capacity. The fourth UST, temporarily out of use, is made of asphalt coated or bare steel with galvanized piping, and is used to store used oil. The used oil UST had a 550 gallon capacity. All four USTs were installed May 5, 1964.
- Henkels Quick Stop, 429 East Main (0.057 miles N) Henkels Quick Stop has four USTs. Three of the USTs are currently in use, one permanently out of use. The three USTs in use are constructed of cathodically protected steel, are used to contain gasoline, have bare steel piping, and were installed May 2, 1971. The gasoline containing USTs had capacities of 8,000 gallons, 5,000 gallons, and 2,500 gallons. The fourth UST, permanently out of use, is made of asphalt coated or bare steel, had galvanized piping, was installed May 1, 1982, was used for diesel storage, and had 3,000 gallon capacity.
- EZ Mart #626, 521 East Main Street (0.0.057 miles N)

EZ Mart #626 has three USTs, all three permanently out of use. All three USTs are made of cathodically protected steel, have galvanized piping, were used to store gasoline, and installed March 1, 1984. All three USTs have a 10,125 gallon capacity.

- Getty Bulk Plant, 5<sup>th</sup> & Leahy (0.006 miles N)

  There is one UST listed at the Getty Bulk Plant. This UST is permanently out of use. It was made of asphalt coated or bare steel, with galvanized piping, and installed March 26, 1967. Contents description is listed as "other" and this UST had a 4,000 gallon capacity.
- Dillard Oil Co., P.O. Box 92 HWY 8 (0.004 miles S)
   Dillard Oil Co. is listed as having four USTs, all four temporarily out of use. Three of the USTs are made of cathodically protected steel, one is made of composite (steel w/RFP). All four USTs have bare steel piping, contained gasoline, and were installed April 2, 1985. Capacities for these four USTs are 4,000 gallons, 2,000 gallons, 3,000 gallons, and 3,000 gallons, respectively.

These UST locations are not considered to present a material threat for adverse environmental impact to the Site as they are not listed as active LUST cases, with the exception of the Jerry E. Collins facility and the Formby Phillips 66 Station which have been described previously in this report. Additionally, information gathered through records reviews, interviews with persons knowledgeable about the Site and its history, and Site observations did not indicate any releases or potential releases that would be considered above de minimis conditions.

## Historic Underground Storage Tanks – HIST USTs (0.75 mile radius)

According to records acquired from EDR the Site does not contain a UST listing. There are fifteen UST listings within a 0.75 mile radius of the Site.

- Smiths APCO Station, 903 North Lynn Avenue (0.328 miles N)
- Maverick Mini Mart #26, 914 West Lynn Avenue (0.246 miles NW)
- Oklahoma National Guard Armory, 823 East 8<sup>th</sup> (0.303 miles N-NE)
- John W. Atterberry, 717 Lynn Avenue (0.208 miles N)
- Phillips 66 Co. #005221, Main & Person (0.483 miles W-NW)
- Preston D. Landrum, 210 West Main Street (0.144 miles NW)
- Lowery's Clothing Store, 127 West Main (0.010 miles NW)
- Prudom St & Main Street, 238 East Main Street (0.076 miles NW)
- Southwestern Bell Telephone Co., 221 East Main Street (0.076 miles NW)
- Jerry E. Collins, 201 East Main Street (0.076 miles NW)
- Formby Phillips 66 Station, 301 East Main Street (0.047 miles N-NW)
- Henkels Quick Stop, 429 East Main (0.057 miles N)
- EZ Mart #626, 521 East Main Street (0.0.057 miles N)
- Getty Bulk Plant, 5<sup>th</sup> & Leahy (0.006 miles N)
- Dillard Oil Co., P.O. Box 92 HWY 8 (0.004 miles

These Historical UST locations are not considered to present a material threat for adverse environmental impact to the Site as they are not listed as active LUST facilities, with the exception of the Jerry E. Collins facility and the Formby Phillips 66 Station which have been described previously in this report. Additionally, information gathered through records reviews, interviews

with persons knowledgeable about the Site and its history, and Site observations did not indicate any releases or potential releases that would be considered above de minimis conditions.

#### <u>Leaking Aboveground Storage Tanks List – LAST (1 mile radius)</u>

According to EDR information, the subject Site is not listed in the LAST database. There are no facilities within 1 mile of the Site listed in the LAST database.

#### Aboveground Storage Tanks List –AST (0.75 mile radius)

According to EDR information, the subject Site is not listed in the AST database. There are four facilities within 0.75 miles of the Site listed in the AST database.

- Prudom St & Main Street, 238 East Main Street (0.076 miles NW)
   Prudom St & Main St is listed as having one AST, permanently out of use, that held diesel. This AST was made of asphalt coated or bare steel, with bare steel piping, and installed January 1, 1996.
- Southwestern Bell Telephone Co., 221 East Main Street 0.076 miles NW) EDR records show Southwestern Bell as having one AST, currently in use, containing diesel. This AST is made of asphalt coated or bare steel, with "other" as listed as the piping material, and installed January 1, 1993.
- Formby Oil, 400 Prudom (0.004 miles S)
  Formby Oil is listed as having four ASTs, all currently in use. Three are listed as containing gasoline, with the fourth as containing "other". All four ASTs are made of single wall steel, with bare steel piping. Three were installed October 1, 1940 (including the AST containing "other"); the fourth AST was installed January 1, 1950.
- Dillard Oil Co., P.O. Box 92, HWY 8 (0.004 miles S)
   Dillard Oil Co. is listed as having two ASTs, each is listed as being temporarily out of use.
   Both ASTs are made of asphalt coated or bare steel, have bare steel piping, and no installation date recorded.

These AST locations are not considered to present a material threat for adverse environmental impact to the Site as they are not listed as active LUST cases and information gathered through records reviews, interviews with persons knowledgeable about the Site and its history, and Site observations did not indicate any releases or potential releases that would be considered above de minimis conditions, with the exception of the Formby Oil Company facility. This location had evidence of active spills in the area of the fuel dispensers and around the drum storage area and is considered to be an REC. The EDR mapping of the Formby facility shows it to be located just south of the Site on Prudom Avenue, but field observations show it to be actually located within the Site boundary north of the EDR mapped position.

#### *Institutional Controls Sites- INST Control (1 mile radius)*

According to EDR information, the Site is not listed in the INST Control database. There are no properties listed in the INST Control database within 1 mile of the Site.

## *Voluntary Cleanup Site Inventory – VCP (1 mile radius)*

According to EDR information and the Oklahoma Department of Environmental Quality, the Site is not listed in the VCP database. There are no properties listed in the VCB database within 1 mile of the Site.

#### *Drycleaners* (0.75 mile)

According to EDR information, the Site is not listed in the Drycleaners database. There is one property listed in the Drycleaners database within 0.75 miles of the Site.

• Charles Cleaners, 112 East 6<sup>th</sup> Street (0.161 miles N)

This facility is not considered to pose a threat for adverse environmental impact to the Site as no evidence was obtained during the records reviews, interviews, or the Site reconnaissance that would indicate any release or threat of release that would be considered above de minimis.

#### Brownfields (1 mile radius)

According to the EDR information, the Site is not listed in the Brownfields database. There are no properties listed in the Brownfields database within 1 mile of the Site.

#### Permitted AIRS Facility Listing – AIRS (0.5 mile radius)

According to EDR information, the subject Site is not listed in the AIRS database. There are no facilities within 0.5 miles of the Site listed in the AIRS database.

#### Tier 2 (0.5 mile radius)

According to the EDR information, the Site is not listed in the Tier 2 database. There are two properties listed in the Tier 2 database within 0.5 miles of the Site.

- AT&T Telephone Facility –R641, 221 East Main Street (0.076 miles N)
- Formby Oil Pawhuska, 400 Prudom. (0.004 miles S)

The EDR mapping of the Formby facility shows it to be located just south of the Site on Prudom Avenue, but field observations show it to be actually located within the Site boundary north of the EDR mapped position.

#### Oklahoma Complaint System Database –OK COMPLAINT (0.5 mile radius)

According to EDR information, the subject Site is not listed in the OK COMPLAINT database. There are no facilities within 0.5 miles of the Site listed in the OK COMPLAINT database.

#### *Indian Reservation (1.5 mile radius)*

According to the EDR information, the Site is listed in the Indian Reservation database. There is one property listed in the Indian Reservation database within 1.5 miles of the Site.

• Osage Indian Reservation

#### Report on the Status of Open Dumps on Indian Lands – INDIAN ODI (1 mile radius)

According to EDR information, the subject Site is not listed in the INDIAN ODI database. There are no facilities within 1 mile of the Site listed in the INDIAN ODI database.

Project: Abandoned Railroad Easement Location: Pawhuska, OK

## <u>Leaking Underground Storage Tanks on Indian Lands – INDIAN LUST (1 mile radius)</u>

According to EDR information, the subject Site is not listed in the INDIAN LUST database. There are no facilities within 1 mile of the Site listed in the INDIAN LUST database.

#### <u>Underground Storage Tanks on Indian Lands – INDIAN UST (0.75 mile radius)</u>

According to EDR information, the subject Site is not listed in the INDIAN UST database. There are no facilities within 0.75 miles of the Site listed in the INDIAN UST database.

#### <u>Voluntary Cleanup Priority Listing – INDIAN VCP (1 mile radius)</u>

According to EDR information, the subject Site is not listed in the INDIAN VCP database. There are no facilities within 1 mile of the Site listed in the INDIAN VCP database.

#### Manufactured Gas Plants (1.5 mile radius)

According to EDR information, the subject Site is not listed in the Manufactured Gas Plants database. There are no facilities within 1.5 miles of the Site listed in the Manufactured Gas Plants database.

A complete list of relevant Regulatory Records (including the EDR) is provided in **Appendix I**.

#### 12.1. NPL SITES

The EPA has established a National Priorities List (NPL) of contaminated sites ranked most hazardous by the Hazard Ranking System for the expenditure of cleanup funds. The NPL includes abandoned and uncontrolled hazardous waste sites, which EPA updates periodically.

#### National Priorities List – NPL (1.5 mile radius)

According to EDR information, the Site is not listed as being in the NPL database. There are no properties within a 1.5 mile radius found in the NPL database.

#### Proposed National Priorities List Sites – Proposed NPL (1.5 mile radius)

According to EDR information, the Site is not listed as being in the Proposed NPL database. There are no properties within a 1.5 mile radius found in the Proposed NPL database.

#### National Priorities List Deletions—Delisted NPL (1.5 mile radius)

According to EDR information, the Site is not listed as being in the Delisted NPL database. There are no properties within a 1.5 mile radius found in the Delisted NPL database.

#### Federal Superfund Liens – NPL LIENS (0.5 mile radius)

According to EDR information, the Site is not listed as being in the NPL LIENS database. There are no properties within a 0.5 mile radius found in the NPL LIENS database.

#### 12.2. LANDFILLS

According to EDR information, there are no permitted solid waste disposal facilities located within 0.50 miles of the Site.

Project: Abandoned Railroad Easement Location: Pawhuska, OK

# 13.0 ADDITIONAL SERVICES

Additional services were not requested as part of the Scope-of-Work for this Phase I ESA.

#### 14.0 FINDINGS AND CONCLUSIONS

ALL Consulting has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 on the Abandoned Railroad Easement, bounded on the west by Kihekah Avenue, on the east by Lynn Avenue, 5<sup>th</sup> Street to the north and 3<sup>rd</sup> Street / Bird Creek to the south in the City of Pawhuska, Osage County, Oklahoma. Any exceptions to or deletions from this practice are described in Section 4.3 of this report. Please review the following findings of the inspection:

- A) Formby Oil Company, located in the middle portion of the northern edge of the Site, is a bulk distributor of refined petroleum products such as diesel, kerosene, and propane. Located on the western portion of the Formby property, are seven aboveground storage tanks (ASTs) with the following contents and sizes: three 10,000-gallon ASTs containing diesel fuel, one 6,000-gallon AST containing kerosene, one 4,000-gallon AST containing kerosene, one 6,000-gallon AST containing antifreeze, and one 2,000-gallon AST containing mineral spirits (see **Appendix D**, photos 59 and 60). Secondary containment in the form of a three sided soil berm is in place around the east, west, and south edges of the ASTs. Three areas of stained gravel were observed in the vicinity of these tanks. The stained areas measured approximately 4'x8', 8'x36', and 4'x6' (see **Appendix D**, photo 61). The office building located at the western end of the property has paint peeling off of a majority of the sheet metal siding (see **Appendix D**, photo 62). Located on the eastern portion of the Formby property are two 12-volt batteries directly in contact with the ground on the northern side of the office building (see **Appendix D**, photo 68). A vertically oriented AST, reportedly of 10,000-gallon capacity, is located east of the office building. In the past, this AST, of unknown contents, was emptied to allow for repair to its bottom wall. This AST is located within a secondary containment structure with one 6,000-gallon and one 4,000-gallon AST, also of unknown contents. Located southeast of the office building, four 6,000-gallon ASTs of unknown contents are situated directly in contact with the ground without a secondary containment structure in place (see Appendix D, photos 67 and 70). East of the office building, approximately seventy-five 55-gallon drums are stored on the south side of a large sheet metal shed. A large area of soil staining of approximately 40'x20' is located in the vicinity of these barrels (see **Appendix D**, photo 69).
- B) Milleson Oilfield Service is located in the southeast corner of the Site. Their property consists of several sheds and office buildings, drilling rigs, trucks, and pump jacks in various states of disrepair. Several concrete pads and footings are also located near this property of which the former uses are unknown (see **Appendix D**, photos 13-21). A 54'x39' pile of discarded steel and equipment is located in the vicinity of Milleson Oilfield Service (see **Appendix D**, photos 15-17). Due to the amount of material present, soil staining underneath the pile could not be adequately observed. Dumping of scrap materials, machinery, and equipment was observed on the north bank of the river. In this same area, the oil soaked axle of a large piece of machinery was observed to be directly in contact with the ground (see **Appendix D**, photos 18-21).

- C) Several areas containing slag, disturbed soil, and evidence of hydrocarbon presence in the soil were observed in the middle portion of the Site (see **Appendix D**, photos 24, 25, 28, 31, and 53).
- D) Two former train depot buildings were observed within the mid-western portion of the Site. A pile of tires, 60'x60', is located on the northeast corner of the east depot building. On the south wall of the west depot building, one of three 5-gallon buckets of lubricant has been spilled and spread onto the walls and floor of the building. Nineteen 55-gallon barrels full of cement test cups were present inside and around both of the train depot buildings. The east depot building has a room which is approximately half full of trash including thousands of styrofoam cups (see **Appendix D**, photos 39, 41-47)
- E) In the northwest corner of the Site, the Osage Building Materials warehouse buildings, an enclosed yard with abandoned vehicles, oilfield piping, and tires were observed. Used oilfield drilling pipe and sucker rods were observed south of the warehouses (see **Appendix D**, photo 50). Used oilfield piping is likely to contain Naturally Occurring Radioactive Materials (NORM), which it would be exposed to while being used for oil production. The fenced in portion of these warehouses contained a large pile of tires (70'x50') several abandoned vehicles, and approximately thirty 5-gallon buckets of floor wax (see **Appendix D**, photos 51, 81, and 82).
- F) A historic railroad turnaround and maintenance yard was formerly located in the southwestern portion of the Site with a railroad corridor running the length of the entire Site (see **Appendix D**, photos 32-34). Although no staining or soil disturbance observed could be directly associated with the railroad, railroad maintenance yards suggest the use of solvents and presence of metals which could adversely impact the soils of the Site.
- G) A salvage yard / auto storage area located in the southwest corner of the Site contained dozens of abandoned cars and trucks. The soil in the vicinity of the salvage yard has possibly been impacted by metals and hydrocarbon contamination.
- H) Parks Concrete Co., located in the central portion of the northern edge of the Site, is the location of a former concrete plant. The location now contains abandoned cars, used appliances, and drums of waste oil (see **Appendix D**, photos 63-66). Surface staining was observed in association with the vehicles and waste oil drums. On the south side of this location, gravel and sand piles were observed along with old cement truck mixers. Additionally, throughout the Site concrete piles from apparent cleanout from cement trucks were observed.
- A 70'x60' stack of telephone poles is located in the northern portion of the Site. The wood preservative most commonly used on products such as telephone poles and railroad ties is creosote. Creosote is coal tar which contains polycyclic aromatic hydrocarbons, a known carcinogen (see **Appendix D**, photo 73).

- J) The Jerry E. Collins facility, at 201 East Main, is indicated as an active LUST facility. This location is in an upgradient position relative to the Site and in close proximity. Communications with the Oklahoma Corporation Commission regarding the status of this LUST case has indicated that this facility is in active monitoring. Due to the ongoing regulatory oversight, the fact that this location is not involved in any remedial activity, and the fact that local groundwater flow in this area is reportedly to the east, the potential for this facility to have an adverse environmental impact on the Site is considered to be insufficient to categorize this as an REC, although it is considered an environmental finding.
- K) The Formby Phillips 66 Station, at 301 East Main, is indicated as an active LUST facility. This location is in an upgradient position relative to the Site and in close proximity. Communications with the Oklahoma Corporation Commission regarding the status of this LUST case has indicated that this facility is in active monitoring and will be involved in a cleanup action in the next month or so. Reportedly, this case involves the release of a few thousand gallons of gasoline that has impacted local groundwater. Groundwater flow is to the east according to monitoring records. The plume has just reached Main Street and the LUST case manager does not feel that this release will impact the Site. Due to the ongoing regulatory oversight and the fact that this location will soon be involved in a remedial activity, the potential for this facility to have an adverse environmental impact on the Site is considered to be insufficient to categorize this as an REC, although it is considered an environmental finding.

#### **RECOMMENDATIONS:**

Based on information obtained during the Site visits conducted on 22 January 2009, as well as information obtained through historical records review and interviews, this assessment has identified eleven Recognized Environmental Conditions, no Historical Recognized Environmental Conditions, no Business Environmental Risks, and six Other Environmental Findings. The environmental findings within each category are summarized below.

# **Recognized Environmental Conditions (RECs)**

- Formby Oil Company. Historical and current activities of this facility have likely resulted in hydrocarbon and/or metals impact to the surface and subsurface soils. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold. It is further recommended that ASTs and drums be placed within proper secondary containment and not be in direct contact with the ground surface.
- 2. Milleson Oilfield Services. Current usage of the Site for storing old oilfield equipment, service vehicles, and heavy equipment has likely resulted in hydrocarbon and/or metals impact to surface and subsurface soils. There is also the potential for limited low level radiological contamination due to NORM from piping and tubing formerly used for oilfield production or produced water handling operations. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action thresholds. It is further recommended that the

- oilfield equipment and debris piles be removed from this area and either be recycled or disposed of in accordance with applicable regulations.
- 3. Former Parks Concrete Plant. Current usage of the Site for storage of old automobiles appliances, and waste oil drums has potentially resulted in hydrocarbon and/or metals impact to the surface and subsurface soils. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold. It is also recommended that the old automobiles and appliances be removed from the Site and either be recycled or disposed of in accordance with applicable regulations.
- 4. Former Railroad Operations. Historic usage of portions of the Site for maintenance operations, coke storage, and rail transport has likely resulted in hydrocarbon and/or metals impact to surface and subsurface soils. Additionally, an interview with a retired rail worker indicates that a customary practice of using a spray car to apply herbicides to rail lines and crossings may have led to surface and subsurface impact due to these chemicals. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold.
- 5. Used Oilfield Dill Pipe and Sucker Rods. There is the potential for low level radiological contamination due to NORM from materials formerly used for oilfield production or produced water handling operations. It is recommended that these be screened with a radiological emissions detector to determine if these have been contaminated by NORM. It is further recommended that a gamma survey be conducted in the areas in which the drill pipe and sucker rods are being stored in the event the initial screening indicates the presence of NORM. It is further recommended that these items be removed from the Site and either recycled or disposed of in accordance with applicable regulations.
- 6. *Former Pawhuska Asphalt Plant*. Historic usage of the mid-central portion of the Site as an asphalt plant has likely resulted in hydrocarbon and/or solvent impact to surface and subsurface soils in this area. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action thresholds.
- 7. **Former Cotton Gin.** Historic usage of the mid-eastern portion of the Site as a cotton gin with a seed press has possibly resulted in chemical impact to surface and subsurface soils due to potential pesticides contained in the cotton gin wastes. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold.
- 8. Automobile Repair and Storage. Current and historical usage of portions of the Site (northeast corner, southwest corner, Pawhuska Auto Mart) for storage of old automobiles and automobile repair activities have likely resulted in metals and/or hydrocarbon impacts to surface and subsurface soils. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold. It is further recommended that the automobiles be removed from the Site, or parked on impervious surfaces to prevent the potential for leaks to impact the surface soils.

- 9. *Unregistered Aboveground Storage Tanks (ASTs)*. Records obtained from Environmental Data Resources do not identify several of the observed ASTs (central portion of Site) as being registered with the Oklahoma Corporation Commission. As such, the presence of these ASTs under an unregistered status is considered to pose a threat for environmental impact to the Site, and is therefore considered to be a REC until proven otherwise. It is recommended that, if an AST contains any free liquid, the AST contents be sampled and identified, and then disposed of according to applicable regulations. It is also recommended that soil and uppermost groundwater samples be collected to determine if any impact has occurred above any regulatory action levels. It is further recommended that these ASTs be removed from the Site and either be recycled or disposed of in accordance with applicable regulations.
- 10. *Telephone Pole Storage*. Current usage of the north central portion of Site for storage of telephone poles by the City of Pawhuska has potentially resulted in impact to the surface soils from wood preservatives. It is recommended that surface and subsurface sampling be conducted to determine if soils and uppermost groundwater have been impacted above any regulatory action threshold.
- 11. *Osage Building Materials Warehouse.* Due to the age of construction, it is likely that this building may contain asbestos containing building materials. It is recommended that an asbestos inspection be conducted by a licensed asbestos inspector to determine if asbestos containing materials are present. It is further recommended that the containers of floor wax and old automobiles be removed from the Site and disposed of in accordance with applicable regulations.

# **Historical Recognized Environmental Conditions (HRECs)**

1. No HRECs were identified during the Site visit or through information acquired during historical records review and interviews.

# **Business Environmental Risks (BERs)**

1. No BERs were identified during the Site visit or through information acquired during historical records review and interviews.

# **Other Environmental Findings**

- 1. Tire piles were observed near the abandoned railroad depot buildings and on the south side of the Osage Building Materials warehouses. These should be removed from the Site and disposed of in accordance with applicable regulations.
- 2. Several debris piles with empty buckets, aluminum cans, and woody material were observed near the abandoned train depot buildings. These should be removed from the Site and disposed of in accordance with applicable regulations.
- 3. Concrete piles and old concrete building footings are scattered throughout the Site. It is recommended that the concrete be removed prior to any redevelopment of the Site.
- 4. Unrestricted access to the Site poses the potential for unauthorized dumping, which could lead to adverse environmental impact to the Site. It is recommended that access be restricted

- by placement of gates or fencing so that unauthorized dumping does not occur.
- 5. Waste styrofoam containers and cement test plugs were observed in 55-gallon drums near and within the abandoned train depot buildings. It is recommended that these be removed and disposed in accordance with applicable regulations.
- 6. Three 5-gallon containers of lubricating grease were observed on the south side of the west abandoned train depot, and had been smeared on the depot building wall. It is recommended that the lubricating grease be removed from the Site and disposed in accordance with applicable regulations.

#### 15.0 REFERENCED MATERIALS

"All Appropriate Inquiry" Final Rule, 40 CFR Part 312, Chapter 1 EPA, Subchapter J-Superfund, Emergency Planning, and Community Right-to-Know Programs, 40 CFR Parts 300-399

ASTM E 1527-05: Standard Practice for Phase I Environmental Site Assessments and associated federal statutes.

EDR DataMap Area Study. Environmental Data Resources, Inc. Dated January 29, 2009.

EDR City Directory Abstract. Environmental Data Resources, Inc. Dated January 29, 2009.

EDR Aerial Photo Decade Package. Environmental Data Resources, Inc. Dated January 28, 2009.

Certified Sanborn Map Report. Environmental Data Resources, Inc. Dated December January 29, 2009.

Geologic Map of Oklahoma. USGS and Hugh Miser. Dated 1954.

Soil Survey Supplement of Osage County Oklahoma. Natural Resource Conservation Service and U.S. Department of Agriculture. April 1979.

Radon Potential Map of Oklahoma (GM-32). Oklahoma Geologic Survey. Dated 1972.

Small Business Liability Relief & Revitalization Act (Federal Brownfields Law) 40 CFR Part 312.

USGS 7.5-Minute Topographic Map – Pawhuska Quadrangle. Dated 1979.

# 16.0 QUALIFICATION SUMMARIES

	B. MCCOMAS, P.E. Environmental Engineer
Proposed Project Assignment:	<b>Professional Engineer</b>
Name of Firm:	ALL Consulting
Years Experience:	13
Education: Degree(s)/Year/Specialization	M.S., Chemical Engineering, University of Tulsa - 1999
	B. S., Chemistry, University of Tulsa - 1996
	B. S., Chemical Engineering, University of Tulsa - 1996
Active Registration or Special Qualifications	2004, P. E. OK, WY

**Past Performance Project Experience:** 

- Developed Materials and Conducted HAZWOPER Safety Training Program
- Performed Environmental Site Investigations and Evaluations
- Conducted Aquifer Groundwater Sampling
- Database Development
- Developed Site Investigation and Quality Assurance Documentation
- Conducted Pollutant Transport Modeling
- Project Management
- Process Design and Modeling
- Pipeline Regulatory Compliance

#### **Relevant Experience and Qualifications**

Mr. McComas has research experience in the area of applied biotechnology for industrial waste treatment. He has designed biological reactors for treatment of sulfidic wastes and has participated in bioremediation design and application in Oklahoma, Kansas, Missouri, and Colorado. Mr. McComas joined the Tulsa Industrial Authority in 2000 as the Director of Industrial Redevelopment, serving as the Brownfield Program Manager to The City of Tulsa. He later joined A & M Engineering and Environmental Services, Inc., where he worked extensively on environmental investigations and site remedial design. After joining ALL Consulting, Mr. McComas has been active in several air quality projects focusing primarily on air permitting and air dispersion modeling. He has served as Project Engineer on projects in Montana, North Dakota, South Dakota, Wyoming, Texas, and Oklahoma and is currently Project Manager for proposed construction of tactical infrastructure along the southwestern United States / Mexico International Border.

#### • Tulsa Industrial Authority (2000)

**Director of Industrial Redevelopment** for The City of Tulsa, Oklahoma. Managed industrial site characterization, demolition, and clean-up activities for City of Tulsa's Brownfields Pilot Program while serving as the Brownfield Program Manager for US EPA grant to the city. Responsibilities included contract management, budget allocation, report generation and review, and public relations.

#### • A & M Engineering and Environmental Services, Inc. (2001 – 2006)

**Project Engineer and Project Manager** at A & M Engineering providing support services, project management and technical guidance on multiple tasks including:

- Cherokee Nation, Tahlequah, Oklahoma Prepared Quality Assurance Project Plan, Sampling
  and Analysis Plan, and Health and Safety Plan for Brownfield site formerly utilized as landfill.
  Conducted subsurface investigation to characterize landfilled material and delineate landfill
  boundaries. Drilled and installed monitor wells to identify impact on uppermost aquifer from
  former landfill activities.
- Association of South Central Oklahoma Governments (ASCOG), Duncan, Oklahoma Prepared
  Quality Assurance Project Plans, Sampling and Analysis Plans, and Health and Safety Plans for
  three sites as part of Brownfield Characterization investigations.
- Welda, Kansas Supervised cleanup of hydrocarbon impacted soils. Designed and constructed secondary containment for oilfield storage tanks. Designed and conducted bioremediation feasibility study on secondary containment system. Prepared final report on study findings.

- Builders Investment Company, Albuquerque, New Mexico Conducted Limited Environmental Site Inspection on approximately 23-acres site with oilfield operations dating back to early 1900's.
- Labinal Aero Defense Systems, Pryor, Oklahoma Performed Phase I and limited Phase II environmental site assessments at proposed daycare facility in the Mid-America Industrial Park.
- Nature Conservancy, Pawhuska, Oklahoma Assisted in design and development of site characterization, remediation plans, and biological studies for clean-up of surface and subsurface oil, oil and brine, and brine contaminated spill locations. Surveyed site locations, collected soil and groundwater samples, and performed chemical analysis on collected samples.
- Duralast, Tulsa, Oklahoma Field manager during remediation activities at site with subsurface hydrocarbon contamination. Responsible for maintaining daily personnel and equipment logs and preparing weekly progress reports
- *McLeodUSA*, *Metairie*, *Louisiana* Performed limited Phase II environmental site assessment at former underground storage tank location.

#### • ALL Consulting (2006 – Present)

**Project Manager** for various projects. Some of the projects include:

- USACE Tulsa District PF 225 Access Roads and Staging Areas Phase I Environmental Site Assessments for Proposed construction of Tactical Infrastructure Along the Southwestern United States Border Provided oversight and management, conducted weekly project status meetings, wrote and reviewed reports for environmental due diligence assessments for proposed construction of pedestrian fencing in California, Arizona, New Mexico, and Texas.
- USACE Tulsa District VF 300 Phase I Environmental Site Assessments for Proposed construction of Tactical Infrastructure Along the Southwestern United States Border Provided oversight and management, conducted weekly project status meetings, wrote and reviewed reports for environmental due diligence assessments for proposed construction of vehicle fencing in California, Arizona, New Mexico, and Texas.

#### **Project Engineer** for various projects. Some of the projects include:

- Continental Resources, Inc. South Dakota Title V Air Permit Developed protocol for air dispersion modeling, conducted air dispersion model runs, prepared ground level impacts analysis. Developed Best Available Control Technology (BACT) analysis. Participated in meetings and communications with State regulatory agents.
- Continental Resources, Inc. Wyoming Flaring Study Prepared combustion emission calculations to identify applicability of State and Federal regulatory requirements.
- Bureau of Land Management Prepared air quality impacts analysis for multi-state regional air dispersion model.
- Continental Resources, Inc. Texas Air Permit Applicability Determination Prepared detailed study of emissions from natural gas gathering system to identify applicability of State permitting requirements.
- Dart Cherokee Basin Pipeline Co., Independence, Kansas Conducted pipeline regulatory compliance audit and assisted with data collection and interpretation for regulatory reporting, preparation of written plans, and provided safety and environmental consulting as required for pipeline operations.
- USACE Tulsa District Phase I and II ESAs Conducted Phase I and II Environmental Site
  Assessments for various properties tasked by EPA Region 6 Targeted Brownfields Assessment
  program.

Appendix B - USER QUESTIONNAIRE FORM

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa

## ASTM 1527-05 Phase I Environmental Site Assessment Preliminary Questionnaire

**1.** Who would be the person(s) best able to answer questions regarding uses and physical characteristics of the property?

<u>Name</u> <u>Phone</u> <u>Email</u>

Diane Daniels (918) 287-5404 ddaniels@osagetribe.org

- **2.** Please review the following list of potentially helpful documents and indicate if they exist for the property. For those that do exist, indicate if they are available for review.
  - **a.** Environmental Site Assessment reports, Performed by ITEC.
  - **b.** Environmental Compliance Audit reports, No knowledge.
  - **c.** Environmental Permits (for example: solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, etc.), No knowledge.
  - **d.** Registrations for underground and above-ground storage tanks, No knowledge.
  - **e.** Registrations for underground injection systems, No knowledge.
  - **f.** Material Safety Data Sheets,

No knowledge.

g. Community right-to-know plan,

No knowledge.

**h.** Safety plans; preparedness and prevention plans; spill prevention; countermeasure, and control plans; etc.,

No knowledge.

- i. Reports regarding hydrogeologic conditions on the property or surrounding area, Some information on aquifers in the area is available.
- **j.** Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property,

No knowledge.

- **k.** Hazardous waste generator notices or reports, No knowledge.
- **l.** Geotechnical studies, No knowledge.
- **m.** Risk assessments, and, No knowledge.
- **n.** Recorded Activity and Use Limitations (AULs) No knowledge.
- **3.** Please answer the following questions in good faith and to the best of your knowledge:
  - **a.** Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?

    No knowledge.
  - **b.** Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

    No knowledge.
  - **c.** Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in, on, or from the property?

    No knowledge.

## ASTM 1527-05 Phase I Environmental Site Assessment Preliminary Questionnaire

1. Who would be the person(s) best able to answer questions regarding uses and physical characteristics of the property?

Name Phone Email

Darin J. West, 918-287-5412 dwest@osagetribe.org

Project Specialist II

- **2.** Please review the following list of potentially helpful documents and indicate if they exist for the property. For those that do exist, indicate if they are available for review.
  - **a.** Environmental Site Assessment reports, Performed by ITEC. Should be available from their offices in Tahlequah, OK.
  - **b.** Environmental Compliance Audit reports, Not available.
  - **c.** Environmental Permits (for example: solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, etc.), None filed.
  - d. Registrations for underground and above-ground storage tanks, Unknown
  - e. Registrations for underground injection systems, Unknown
  - f. Material Safety Data Sheets, No
  - g. Community right-to-know plan, No
  - **h.** Safety plans; preparedness and prevention plans; spill prevention; countermeasure, and control plans; etc., No
  - **i.** Reports regarding hydrogeologic conditions on the property or surrounding area, Some information on the aquifer is available.
  - **j.** Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property, No

- k. Hazardous waste generator notices or reports, No
- **l.** Geotechnical studies, No
- m. Risk assessments, and, No
- n. Recorded Activity and Use Limitations (AULs) No
- **3.** Please answer the following questions in good faith and to the best of your knowledge:
  - **a.** Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? No
  - **b.** Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? No
  - **c.** Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in, on, or from the property? No

**APPENDIX C - SITE INSPECTION FORM** 

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa



1718 South Cheyenne Avenue Tulsa, OK 74119 Phone 918.382.7581 Fax 918.382.7582

Project No.:	1266.PHI.00	Inspection Date: 22-Jan-09			
Site Address:	Approximately 30 Acres Bounder	d on East by Lynn Avenue, West by Kehekah,			
	North by 5th Street, and South by	y 3rd Street and Bird Creek			
City: P	awhuska County:	Osage State: Oklahoma			
Prepared For:	U.S. Army Corps of Engineers -	Fulsa District			
Environmental Inspector: Charles B. McComas					
		N/O = None Observed			
SITE USE:		14/0 = 140He Observed			
1) Gene	rally describe the subject site (i.e. l	and use, occupancy, building structures, etc.)			
Abandoned railroad easement with delapidated buildings (train depots and lavoratory),					
encroachment by adjoining properties (oilfield equipment, automobile storage, concrete					
plant, Osage Building Materials Co., Formby Oil Company), and vacant land.					
Or pre □ N X Y	eviously used for industrial purpose o industrial site usage observed (p es, Describe: Formby Oil Compa				
A	Auto Mart, Milleson Oilfield Supply Co., Auto Repair				
□ N X Y X U □ G X M □ P □ D	es, Describe: Indeveloped X It is a soline Station Indeveloped X It is soline Station Indeveloped X It is soline Station Indexended Index	Residential Photo Lab Junkyard/Salvage Yard/Landfill Waste Treatment/Storage/Disposal/Processing Recycling Facility			
Describe: As described in #2 above. Residential located south and west o					

## **SITE CONDITION:**

1)	Any visible evidence of fill-material on the subject site?  □ None Observed			
	Χ	Yes, Describe: Wood c	hips on mid-eastern portion of Site. Concrete scattered	
throughout Site. Gravel and sand located south of former cond			rel and sand located south of former concrete plant.	
2)	Any <b>X</b> □	visible evidence of formed None Observed Yes, Describe:	er pits/ponds/or lagoons on the subject site?	
3)	Is th □ X			
- and dispositions (most property) and man amond equipment on countrications portion				
4)				
5)	Are there any structures on the subject site			
		□ None Observed		
	X	Yes		
		Dates of Construction:	Unknown, but suspected in the 1930's. Additional construction	
			up to present.	
		Construction Type:	Concrete stem walls, brick facing, wood roof, some slab	
			foundations in newer constructions.	
Is a certified asbestos or lead-based paint inspection recommended based upon		lead-based paint inspection recommended based upon		
		the general building materials taking into considering the construction dates?		
		□ No		
X		X Yes		
	Has there been an asbestos or lead-based paint inspection previously performed on the subject site?			
		X No		
		□ Yes		

## **MATERIALS USE/STORED ON-SITE**

1)	Are there raw materials stored on-site in quantities of 5-gallon capacity or greater, or totaling more than 50-gallons, such as (give quantities):   None Observed						
	Χ	Yes, Describe:					
			Quantity		Quantity		
		□ Batteries	•	□ Paints	·		
		□ Pesticides		X Oils	> 30,000 gallons		
		X Other Chemicals	Antifreeze 6,000 ga	al X Fuels	> 10,000 gallons		
2)	Are	Are there any 55-gallon drums currently stored on-site?  □ None Observed					
		X Yes, Describe:	Approximately 75 5	55-gallon containers of oil	stored at Formby		
			Oil Company's eas	t lot (some empty and sor	me full)		
Is there any visual evidence of former drum storage on-site?  □ None Observed							
X Yes, Describe: Approximately 15 empty drums are located near train de				near train depot			
			buildings. Drums n	ow hold concrete test plug	gs.		
	If th	ere is any drum storage	on-site, please list :				
		Chemical Name		No. of drums	<b>Location of Drums</b>		
		Lubricating Oil (most unl	abeled)	~75	Formby Oil Co.		
		Unlabeled Empty		~15	Train Depots		
<ul> <li>3) Are there currently any registered or non-registered Above or Underground Tanks (USTs) located on the subject site?</li> <li>□ None Observed</li> <li>X Yes</li> <li>If there are any ASTs or USTs, please list :</li> </ul>							
		Chemical Name		Capacity	Location of Tank		
		Antifreeze		2,000 gal	Formbys Oil Co.		
		Kerosene		6,000 gal	Formbys Oil Co.		
		Diesel		Multi	Formbys Oil Co.		
		Mineral Spirits		2,000 gal	Formbys Oil Co.		

	Any former ASTs or USTs located on-site?
	□ No
	X Yes, Describe: Empty ASTs located south of Formbys Oil Company
	Any ASTs or USTs (current or former) located on the adjacent properties?
	X None Observed
	□ Yes, Describe:
4)	Any other visual evidence of ASTs or USTs located on the subject site or adjacent
	properties, such as fill pipes, vent caps, etc.?
	X None Observed
	□ Yes, Describe:
OTHER	<u>ISSUES</u>
1)	Are there any private water wells located on the subject site?
	X None Observed
	□ Yes, Describe:
2)	Are there any existing oil or gas wells located on or adjacent to the subject site?
	X None Observed
	□ Yes, Describe:
3)	Is there any visual evidence of former oil or gas well exploration on-site?
	X None Observed
	□ Yes, Describe:
4)	
4)	Is there any visual evidence of former mining on-site?  X None Observed
	□ Yes, Describe:
5)	Are there any pole or pad-mounted transformers on the subject site?
	□ None Observed
	X Yes ****Note locations of the transformers on the site map****
	Are the transformers labeled as Non-PCB containing?
	X No
	□ Yes

6)	6) Are there any trash dumpsters located on-site?				
		□ None Observed			
	Χ	X Yes, Describe:			
	(Give location(s) and who (company) services the dumpsters)				
7)		ne subject site is an operating facility?			
	Does the facility have an EPA Identification Number?				
	Χ				
	Does the facility have an Air Permit?				
	X No				
		Yes Number			
	Does the facility have an NPDES (Storm water) Permit?				
	Х	No			
		Yes Number			
		es the facility generate wastewater?			
	Χ	No			
		Yes			
	Does the facilityhave an SPCC Plan?				
		X No			
		□ Yes			
	Does the facility discharge into the sanitary sewer system and have a				
	discharge permit?				
		X No			
	□ Yes				
	Does the facility discharge into a treatment facility?		t facility?		
		X No			
		□ Yes			
Q) Are there any of the following on site Q If as usets less time (s) and the site was a					
0)	B) Are there any of the following on-site? If so, note location(s) on the site map:				
		<ul><li>Equipment Cleaning Stations</li><li>Sumps/Drainage Trenches</li></ul>	X Septic Tanks or Leachate Links  □ Sewage Lagoons		
		M t D t	□ Sewage Lagoons □ Retention or Detention Ponds		
		11 1 P P6	□ Land Application Systems		
	□ Hydraulic lifts □ Land Application Systems □ Floor Drains				

•	ie general site top ains towards:	Bird Creek located south of the Site  Site is relatively flat with southwesterly topographic gradient		
Drainag	ge Patterns			
Any drainage controls?		Concrete storm drain located on eastern portion of Site.  Storm drain observed near Allen Bros. Feed scale.		
10) Describe th	e surrounding ar	ea land use:		
Directi	on Land U	se	Up/Downgradient	
Nort	th: Comme	ercial / Business / Office	Up gradient	
South: Resider		ntial / Commercial / Light Industrial	Down gradient	
Eas	t: <u>Light In</u>	dustrial / Commercial	Up/Cross gradient	
Wes	st: Resider	ntial	Down/Cross gradient	
11) Interview S Name and <sup>1</sup> Summary:	Title of person int	erviewed: Hank Benson (Occupant has occupied Osage Building Materia are of any environmental concerns.		
	NOT awa	are or any environmental concerns.		
Name and Title of person interviewed:  Summary:				
Name and Summary:	Title of person int	erviewed:		

12) Attach a detailed drawing of the subject site and adjacent properties.				
13) Additional Comments:				
	.,			
<del></del>	- · · · · ·			
Spalled My bours, P.E.	T. 77 7009			
Environmental Inspector's Signature	Jan: 22, 2009 Date			

APPENDIX D - SITE PHOTOGRAPHS

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa



Photograph 1. General site conditions looking south from the northeast corner of the Site.



Photograph 2. General site conditions looking west from the northeast corner of the Site.



Photograph 3. General site conditions looking southeast from the northeast corner of the Site.



Photograph 4. General site conditions looking west at the Pawhuska Auto Mart from the northeast corner of the Site.



Photograph 5. Looking southwest at the concrete footing at the eastern portion of the Site.



Photograph 6. Looking northeast at the old railroad tracks running off the Site at the eastern portion of the Site.



Photograph 7. General site conditions looking north from the southeast corner of the Site.



Photograph 8. General site conditions at Milleson Oilfield Service, looking west from the southeast corner of the Site.



Photograph 9. General site conditions looking south from the southeast corner of the Site.



Photograph 10. General site conditions looking east from the southeast corner of the Site.



Photograph 11. General site conditions looking north from the southwest corner of the Site.



Photograph 12. General site conditions looking east from the southeast corner of the Site.



Photograph 13. Looking west at the 9'x24' concrete footing north of Milleson Oilfield Service.



Photograph 14. Looking northwest at the 30'x20' concrete slab north of Milleson Oilfield Service.



Photograph 15. Looking west at a 54'x39' pile of steel equipment near Milleson Oilfield Service.



Photograph 16. Looking northeast at a 54'x39' pile of steel equipment near Milleson Oilfield Service.



Photograph 17. A 55 gallon drum containing a used oil filter, steel tubulars and other trash.



Photograph 18. Looking southwest at a collection of oilfield equipment dumped at the southern edge of the Site.



Photograph 19. Looking southwest at the 24" natural gas pipeline running along the southern edge of the site.



Photograph 20. View of concrete rubble and a 5 gallon kerosene can at the southern edge of the Site.



Photograph 21. View of a leaking transfer case and an oil soaked axle in contact with the ground.



Photograph 22. Looking south at 12'x66' concrete dumpsite at the southern edge of the Site.



Photograph 23. Looking southwest at a 15'x25' area containing 4 storage tanks.



Photograph 24. Looking at a 2'x3' disturbed area of soil with evidence of hydrocarbon presence.



Photograph 25. Looking at a concrete cap laying on the ground with trash laying on top. The concrete cap is on top of a railroad tie and an unconnected steel pipe.



Photograph 26. Looking east at an insulated oil and gas separator



Photograph 27. Looking at 2 pole mounted transformers.



Photograph 28. Looking at a 4'x8' disturbed area of soil with evidence of hydrocarbon presence.



Photograph 29. View of a 24 volt battery lying next to a railroad tie.



Photograph 30. View of a toilet as part of a four stall latrine with a suspected septic system connected underground.



Photograph 31. View of a 12'x30' area of slag.



Photograph 32. Looking at a tapered steel pipe made of three differing sizes of pipe.



Photograph 33. Looking north at the general site conditions of the southern portion of the mid-western edge of the site.



Photograph 34. Looking west at the general site conditions of the southern portion of the mid-western edge of the site.



Photograph 35. View of pole mounted transformers within the Site.



Photograph 36. Looking northwest at a 15'x25' pile of debris including railroad ties.



Photograph 37. Looking east at a 18'x25' pile of debris which includes five 5 gallon buckets, four 55 gallon drums, and a dozen quart size oil containers.



Photograph 38. Looking northwest at the 18'x25' pile of debris with the 5 gallon buckets in the foreground.



Photograph 39. Looking northeast at the east train depot building.



Photograph 40. Looking west at an area of concrete.



Photograph 41. Looking northwest at twelve, 55 gallon drums in the foreground and the west train depot building in the background.



Photograph 42. Looking northwest at the west train depot building.



Photograph 43. Looking at seven, 55 gallon drums and a pile of cement test cups south of the east train depot building.



Photograph 44. Looking at a room filled with styrofoam cement test cups inside the east train depot building.



Photograph 45. Looking southwest at a 60'x60' pile of tires northeast of the east train depot building.



Photograph 46. Looking at spilled lubricant buckets south of the west train depot building.



Photograph 47. View of the trash on the interior of the west train depot building.



Photograph 48. Looking at a 30'x50' pile of pallets.



Photograph 49. Looking east at a 30'x18' pile of trash including three, 5 gallon buckets.



Photograph 50. Piles of oilfield tubing and sucker rods.



Photograph 51. Looking at a 70'x50' pile of tires at the northern end of the Site.



Photograph 52. One empty 55 gallon drum and one unlabeled 40 gallon drum.



Photograph 53. Two 2'x3' brown crust patches.



Photograph 54. A nearly empty liquid feed AST.



Photograph 55. Looking east at a 20'x15'x6' pile of debris containing appliances.



Photograph 56. Looking at a 35'x57'x8' pile of debris containing concrete.



Photograph 57. Pile of debris including a tire, railroad tie, steel, and two empty 55 gallon drums.



Photograph 58. Looking at a pile of gravel.



Photograph 59. Tanks owned by Formby Oil Company (west): three 10,000 gallon diesel, one 6,000 gallon kerosene.



Photograph 60. Tanks owned by Formby Oil Company (west): one 6,000 gal antifreeze, one 4,000 gal kerosene, one 2,000 gal mineral spirits.



Photograph 61. Three Oil Stains near the west building of Formby Oil Company (west): 4'x8', 8'x36', and 4'x6'.



Photograph 62. Peeling paint on the Formby Oil Company building (east).



Photograph 63. Looking south at a yard of appliances and automobiles at Parks Concrete Co.



Photograph 64. Looking southwest at a yard of appliances and automobiles at Parks Concrete Co.



Photograph 65. Looking east at a yard of appliances and automobiles at Parks Concrete Co.



Photograph 66. View of three, five gallon buckets inside the main building at Parks Concrete Co.



Photograph 67. Looking at three ASTs at Formby Oil Company (east).



Photograph 68. View of automobile batteries on the ground at Formby Oil Company (east).



Photograph 69. View of approximately seventy five, 55 gallon drums east of Formby Oil Company (east). Note stained surface.



Photograph 70. View of four, approximately 4,000 gallon ASTs southeast of Formby Oil Company.



Photograph 71. Looking at concrete on the ground southeast of Formby Oil Company (east).



Photograph 72. Pile of concrete southeast of Formby Oil Company (east).



Photograph 73. Looking at a 70'x60' pile of telephone poles and concrete rubble.



Photograph 74. Looking north at parked cars at Pawhuska Auto Mart.



Photograph 75. Looking south at wood mulch on eastern mid-portion of Site.



Photograph 76. View of three, one gallon buckets of polyurethane sealer on the inside of Osage Building Materials building located on the northern edge of the Site.



Photograph 77. View of the interior of Osage Building Materials building on the northwestern edge of the Site.



Photograph 78. Looking north at the general conditions of adjacent property north of the western portion of the Site.



Photograph 79. Looking northwest at the general conditions of adjacent property northwest of the Osage Building Materials building.



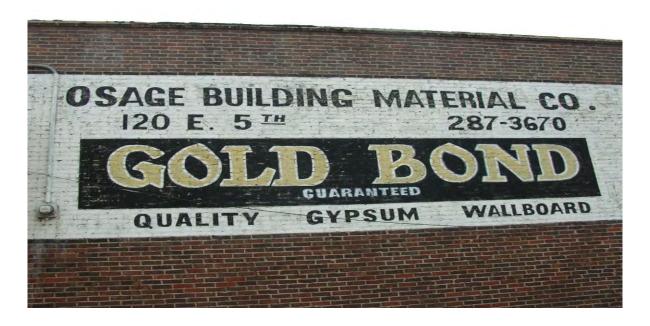
Photograph 80. Looking northeast at the Allen Bros. grain storage building with two water tanks and two fertilizer storage tanks visible in the foreground.



Photograph 81. View of approximately 30, 5 gallon buckets of floor wax within a vacant lot on the west side of the Osage Building Materials building at the northwestern edge of the Site.



Photograph 82. View of approximately 30, 5 gallon buckets held within a vacant lot at the northern edge of the Site.



Photograph 83. Osage Building Materials building sign.



Photograph 84. View of the interior of east portion of Osage Building Materials partially collapsed warehouse building on the northern edge of the Site. The building contains grain, pallets, and wood shims.



Photograph 85. View of a backhoe inside the east portion of partially collapsed Osage Building Materials warehouse building with visible staining on the ground.



Photograph 86. Looking north at a residential property east of the Allen Bros. grain storage building.



Photograph 87. View looking northeast at adjoining property located at approximate mid-portion of Site's northern boundary.



Photograph 88. Looking southeast at east portion of partially collapsed Osage Building Materials warehouse building on the northern edge of the Site.



Photograph 89. Looking north at the Allen Bros. grain storage building north of the Site.

APPENDIX E - HISTORICAL AERIAL PHOTOGRAPHS

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa

## Pawhuska Phase 1 Site

Pawhuska Phase 1 Site Pawhuska, OK 74056

Inquiry Number: 2409156.5

January 28, 2009

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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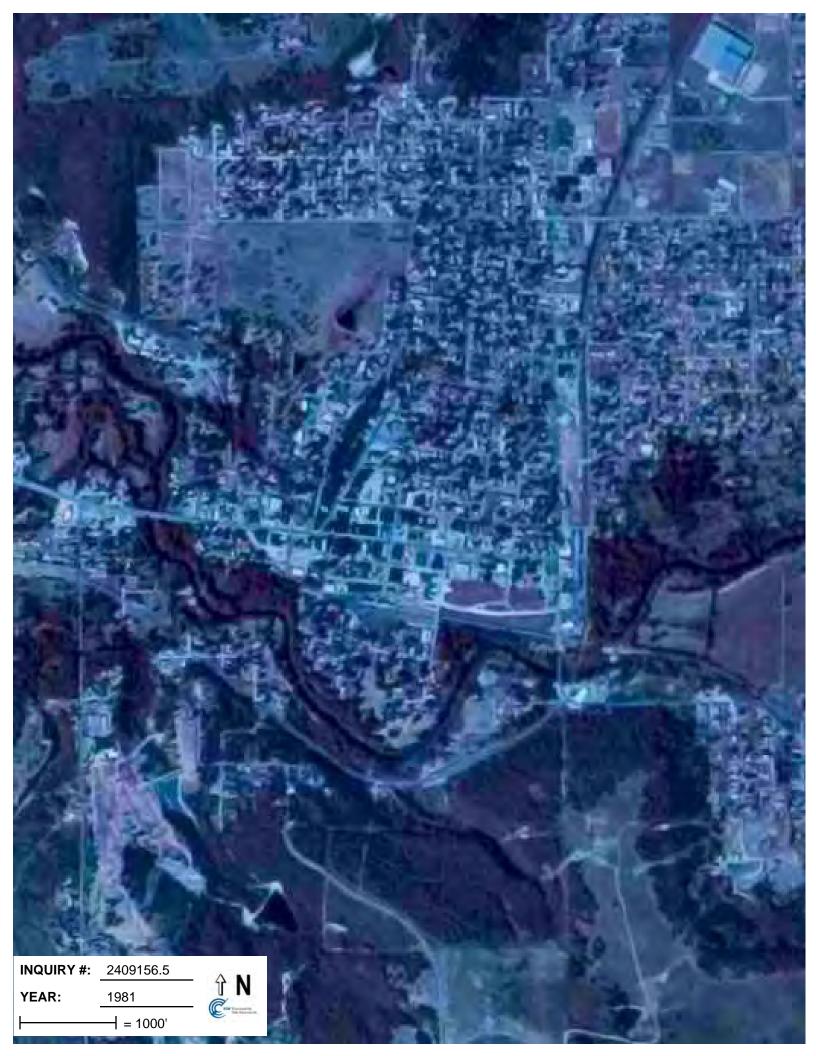
# **Date EDR Searched Historical Sources:**

Aerial Photography January 28, 2009

# **Target Property:**

Pawhuska Phase 1 Site Pawhuska, OK 74056

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 2436096-F3/Flight Date: September 29, 1981	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Panel #: 2436096-F3/Flight Date: June 16, 1984	EDR
1995	Aerial Photograph. Scale: 1"=750'	Panel #: 2436096-F3/Flight Date: February 21, 1995	EDR
2005	Aerial Photograph. Scale: 1"=484'	Flight Year: 2005	EDR









APPENDIX F - SANBORN MAPS

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa

#### Pawhuska Phase 1

Pawhuska Phase 1 Pawhuska, OK 74009

Inquiry Number: 2409507.1

January 29, 2009

# **Certified Sanborn® Map Report**



# **Certified Sanborn® Map Report**

1/29/09

Site Name: Client Name:

Pawhuska Phase 1 U.S. Army Corps of Engineers Pawhuska Phase 1 1645 S 101st East Ave. Pawhuska, OK 74009 Tulsa, OK 74128

EDR Inquiry # 2409507.1 Contact: Mark Webster



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by U.S. Army Corps of Engineers were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Pawhuska Phase 1
Address: Pawhuska Phase 1
City, State, Zip: Pawhuska, OK 74009

**Cross Street:** 

P.O. # NA Project: NA

**Certification #** 2183-4794-96DC

# Santon

Sanborn® Library search results Certification # 2183-4794-96DC

#### Maps Provided:

 1894
 1916

 1898
 1920

 1901
 1927

 1903
 1958

 1907

1907

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

✓ University Publications of America

✓ EDR Private Collection

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# Certified Sanborn® Map Report Enhancements for 2009

The accompanying Certified Sanborn Map Report reflects a number of enhancements that make it easier for you to review these historical maps. EDR has digitally joined together the more than one million fire insurance maps from the Sanborn Library collection so that your target property is centered, making it easier for you to review adjoining properties. Here is a list of the new features:

- · Your target property is centered on each map. You can quickly locate your target property and view adjoining properties. Plus, adjoining properties are included more often, reducing your need to refer to additional maps.
- · All maps are now displayed at a uniform scale. This makes it easier for you to view changes to the property over time.
- · We've increased coverage by adding thousands of new maps from 40 cities for years 1994-2007.
- · A new Map Key and Sheet Thumbnails let you reference sheet numbers, year and volume of original Sanborn Map panels used for this report.

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#### Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



#### 1958 Source Sheets



Volume 1, Sheet 3



Volume 1, Sheet 20



Volume 1, Sheet 21



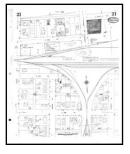
Volume 1, Sheet 23



Volume 1, Sheet 3



Volume 1, Sheet 20



Volume 1, Sheet 21



Volume 1, Sheet 23

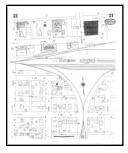
#### 1927 Source Sheets



Volume 1, Sheet 3



Volume 1, Sheet 20



Volume 1, Sheet 21



Volume 1, Sheet 23

#### 1920 Source Sheets



Volume 1, Sheet 8



Volume 1, Sheet 11



Volume 1, Sheet XXXX



Volume 1, Sheet 14

#### 1916 Source Sheets



Volume 1, Sheet 1



Volume 1, Sheet 8



Volume 1, Sheet 9



Volume 1, Sheet XXXX

#### 1912 Source Sheets



Volume 1, Sheet 1



Volume 1, Sheet 4

#### 1907 Source Sheets



Volume 1, Sheet 1



Volume 1, Sheet 2

#### 1903 Source Sheets



Volume 1, Sheet 1



Volume 1, Sheet 2

1901 Source Sheets



Volume 1, Sheet XXXX

## 1898 Source Sheets

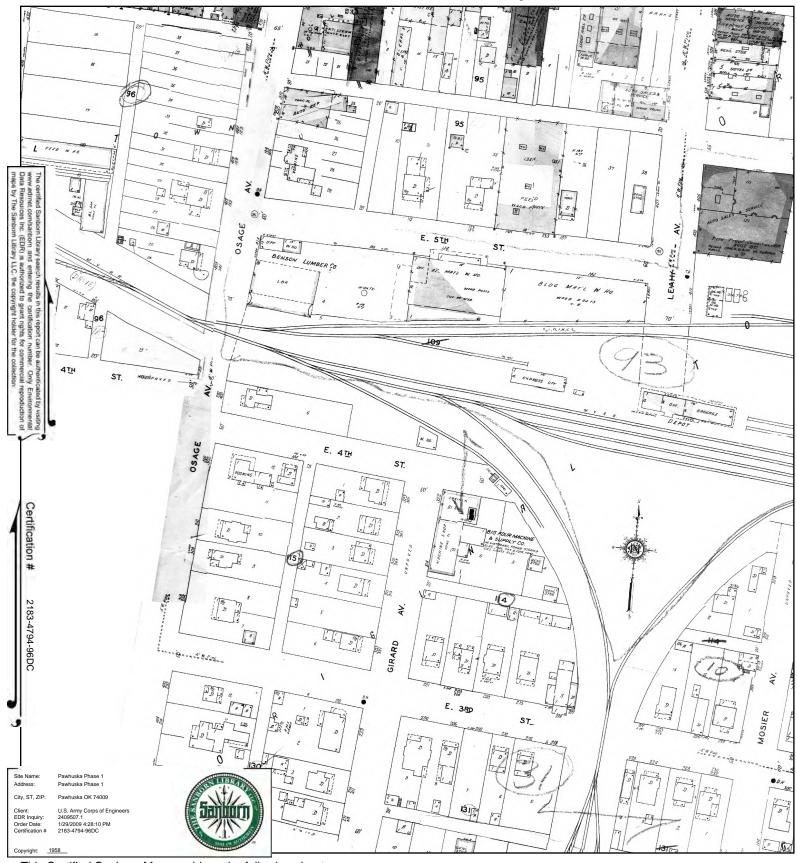


Volume 1, Sheet XXXX

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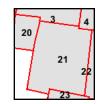


Volume 1, Sheet 1



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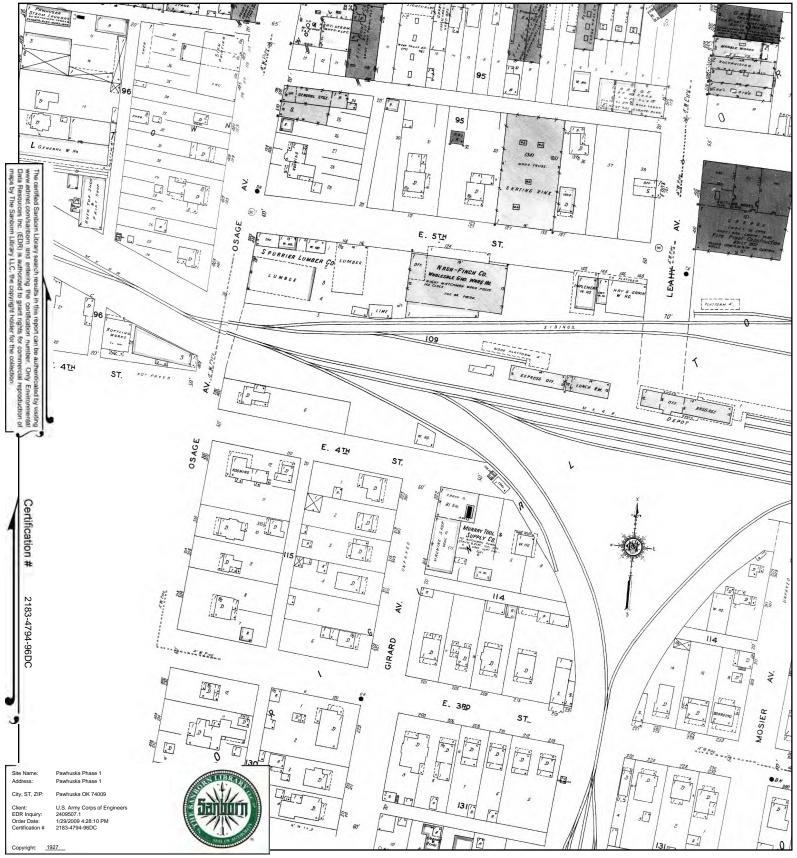


Volume 1, Sheet 3 Volume 1, Sheet 20 Volume 1, Sheet 21 Volume 1, Sheet 23

Volume 1, Sheet 3

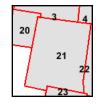
Volume 1, Sheet 20 Volume 1, Sheet 21 Volume 1, Sheet 23





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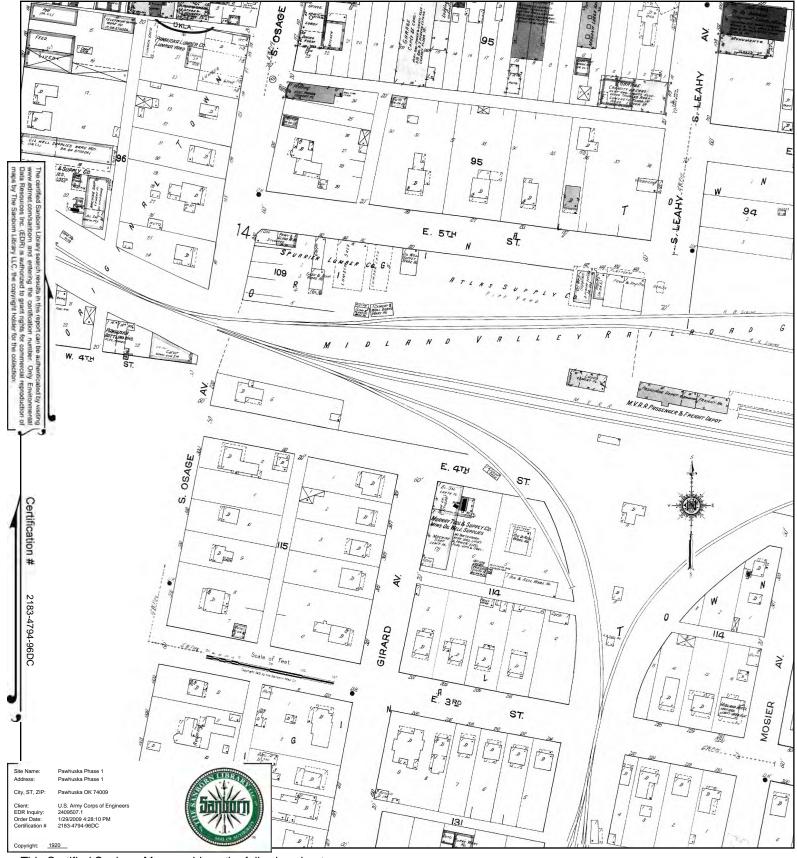


Volume 1, Sheet 3 Volume 1, Sheet 20 Volume 1, Sheet 21

Volume 1, Sheet 23

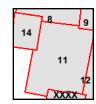






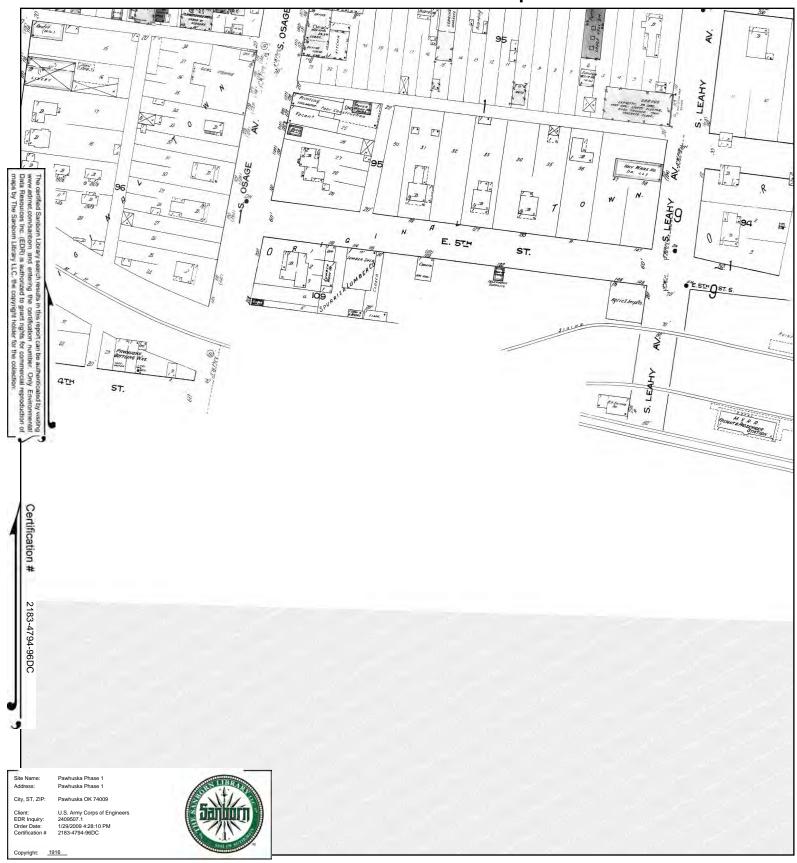
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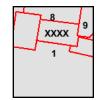
Volume 1, Sheet 8 Volume 1, Sheet 11 Volume 1, Sheet XXXX Volume 1, Sheet 14





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Volume 1, Sheet 1 Volume 1, Sheet 8

Volume 1, Sheet 9

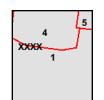
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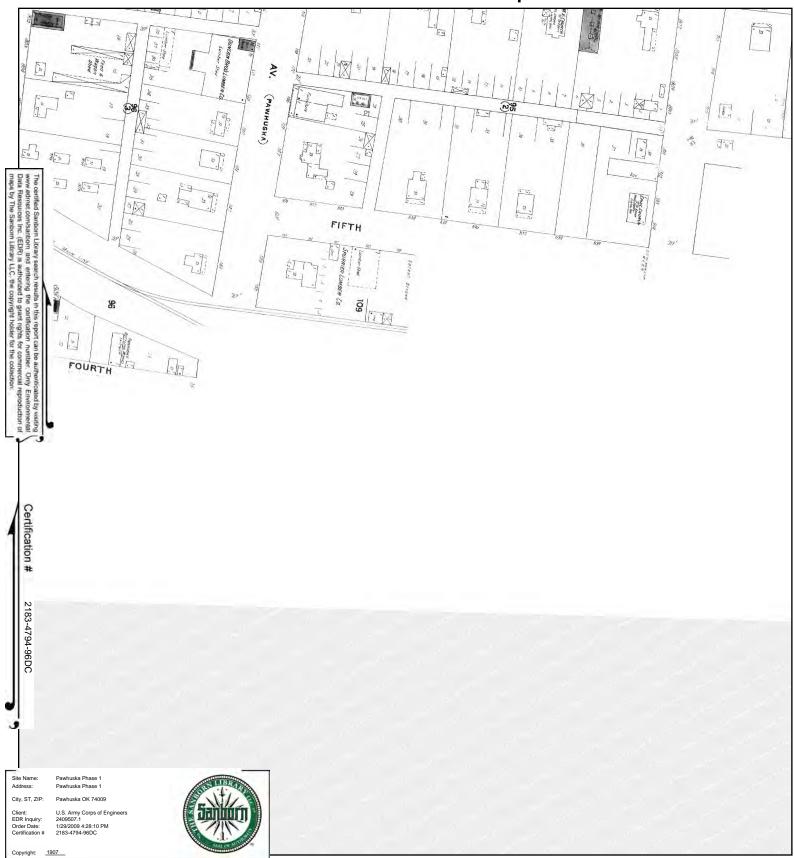
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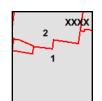
Volume 1, Sheet 1 Volume 1, Sheet 4





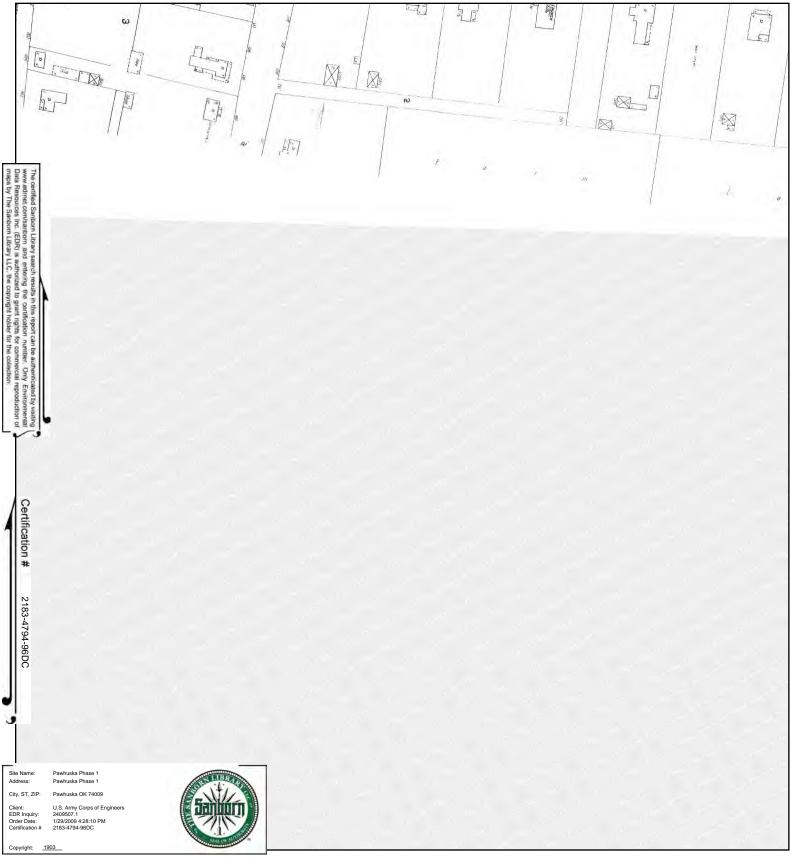
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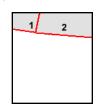
Volume 1, Sheet 1 Volume 1, Sheet 2





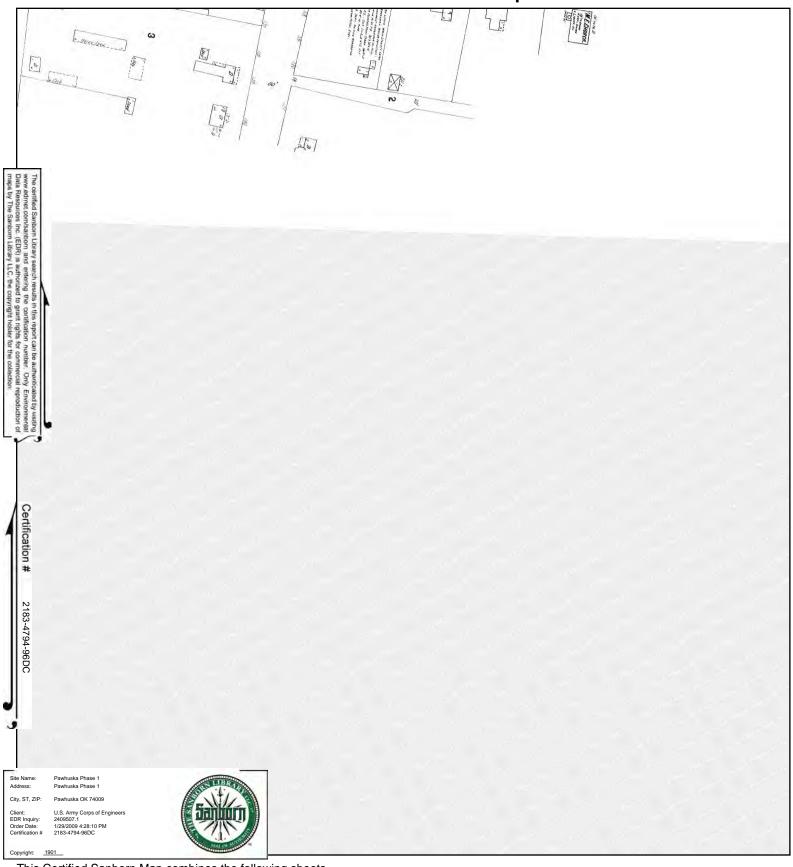
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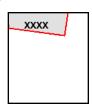
Volume 1, Sheet 1 Volume 1, Sheet 2





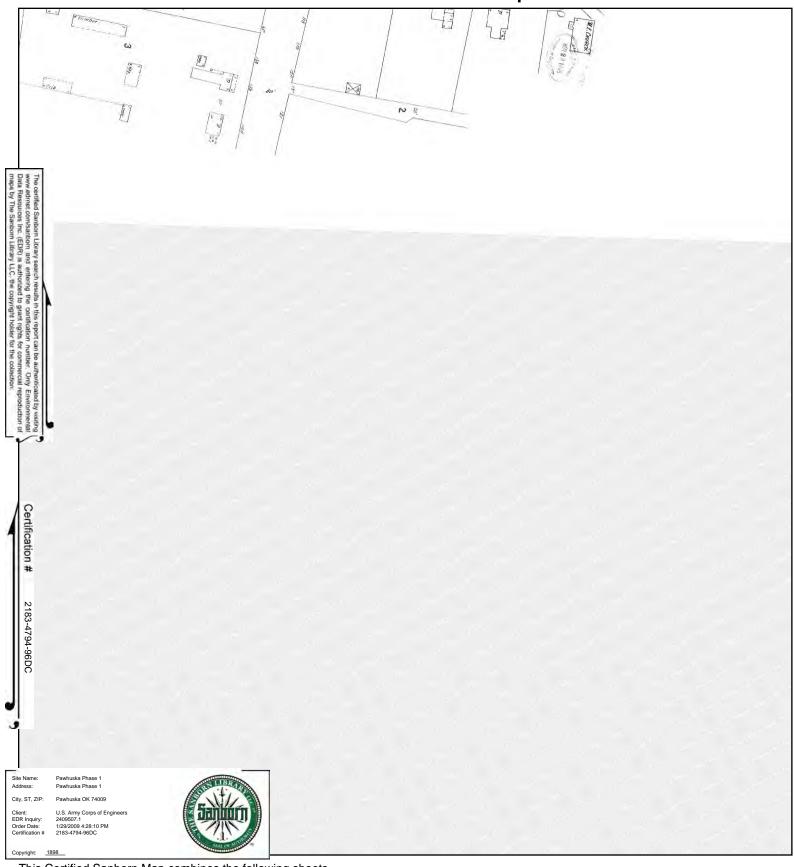
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Volume 1, Sheet XXXX





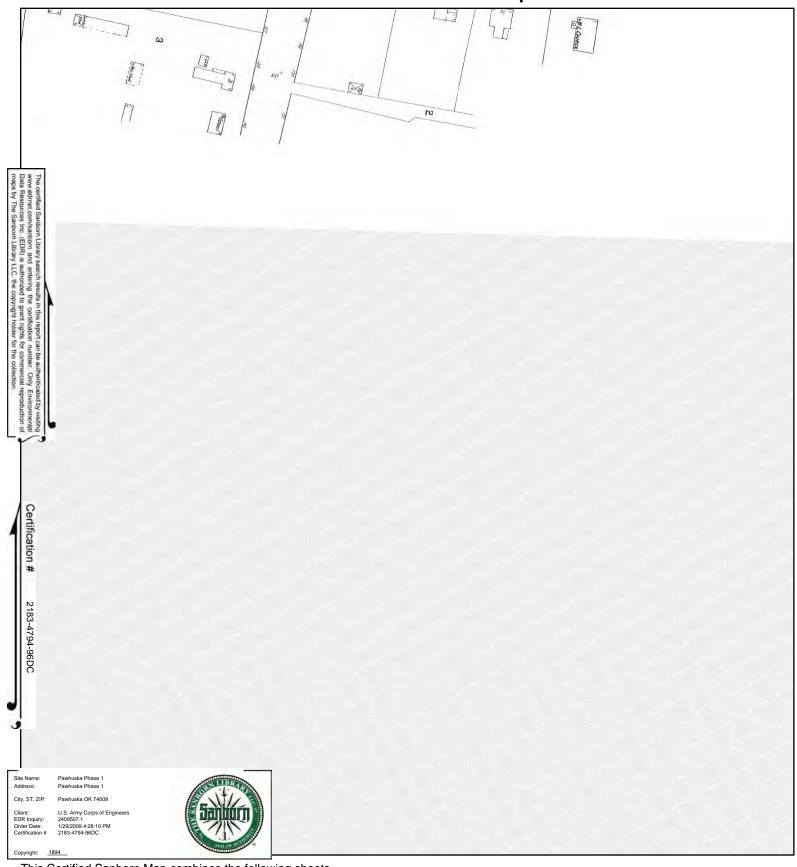
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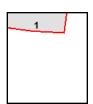
Volume 1, Sheet XXXX





This Certified Sanborn Map combines the following sheets (thumbnails on page 3).





Volume 1, Sheet 1



### Pawhuska Phase 1

Pawhuska Phase 1 Pawhuska, OK 74009

Inquiry Number: 2409507.1

January 29, 2009

# **Certified Sanborn® Map Report**



### **Certified Sanborn® Map Report**

1/29/09

Site Name: Client Name:

Pawhuska Phase 1 U.S. Army Corps of Engineers 1645 S 101st East Ave. Pawhuska Phase 1 Pawhuska, OK 74009

Tulsa, OK 74128

EDR Inquiry # 2409507.1 Contact: Mark Webster



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#### Certified Sanborn Results:

Site Name: Pawhuska Phase 1 Address: Pawhuska Phase 1 City, State, Zip: Pawhuska, OK 74009

**Cross Street:** 

P.O. # NA **Project:** NA

Certification # 2183-4794-96DC



Sanborn® Library search results Certification # 2183-4794-96DC

#### **Maps Provided:**

1903 1958

1907

1912

1916

1920 1927

Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

The Sanborn Library includes more than 1.2 million

Library of Congress

✓ University Publications of America

✓ EDR Private Collection

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- · All maps are now displayed at a uniform scale. This makes it easier for you to view changes to the property over time.
- · We've increased coverage by adding thousands of new maps from 40 cities for years 1994-2007.
- · A new Map Key and Sheet Thumbnails let you reference sheet numbers, year and volume of original Sanborn Map panels used for this report.

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### Sanborn Sheet Thumbnails

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#### 1958 Source Sheets



Volume 1, Sheet 4



Volume 1, Sheet 5



Volume 1, Sheet 21



Volume 1, Sheet 22



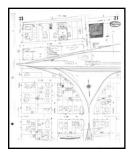
Volume 1, Sheet 23



Volume 1, Sheet 4



Volume 1, Sheet 5



Volume 1, Sheet 21



Volume 1, Sheet 22



Volume 1, Sheet 23

#### 1927 Source Sheets



Volume 1, Sheet 4



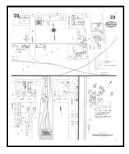
Volume 1, Sheet 5



Volume 1, Sheet 21



Volume 1, Sheet 22



Volume 1, Sheet 23

### 1920 Source Sheets



Volume 1, Sheet 9



Volume 1, Sheet 10



Volume 1, Sheet 11



Volume 1, Sheet 12

### 1916 Source Sheets





Volume 1, Sheet 1

Volume 1, Sheet 9

Volume 1, Sheet 10

#### 1912 Source Sheets





Volume 1, Sheet 1

Volume 1, Sheet 5

#### 1907 Source Sheets

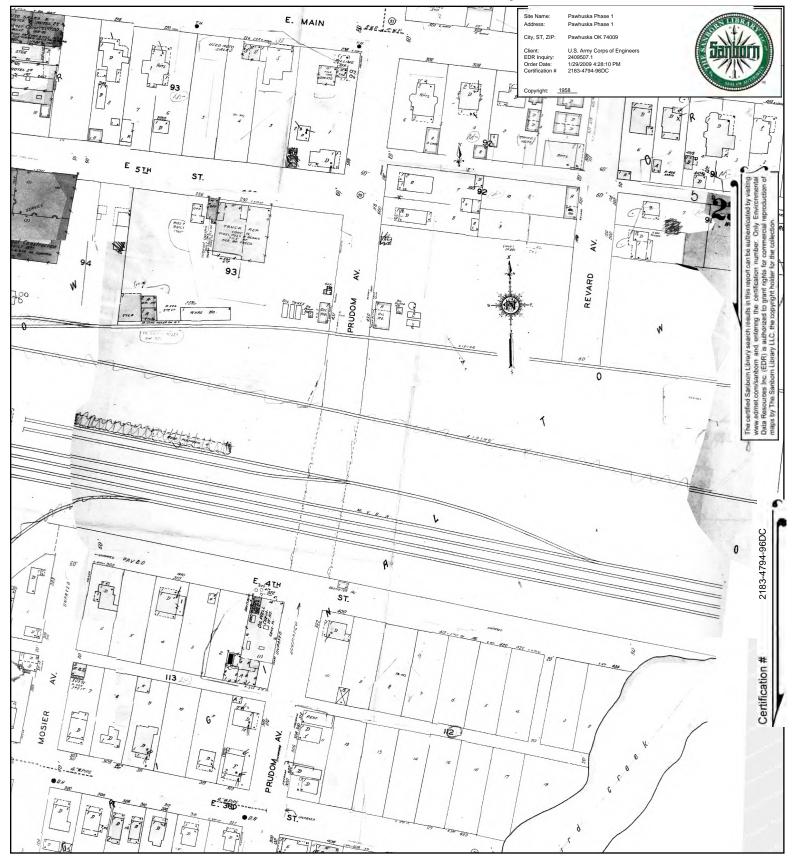


Volume 1, Sheet 1

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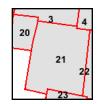


Volume 1, Sheet 2



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 Volume 1, Sheet 4
 Volume 1, Sheet 4

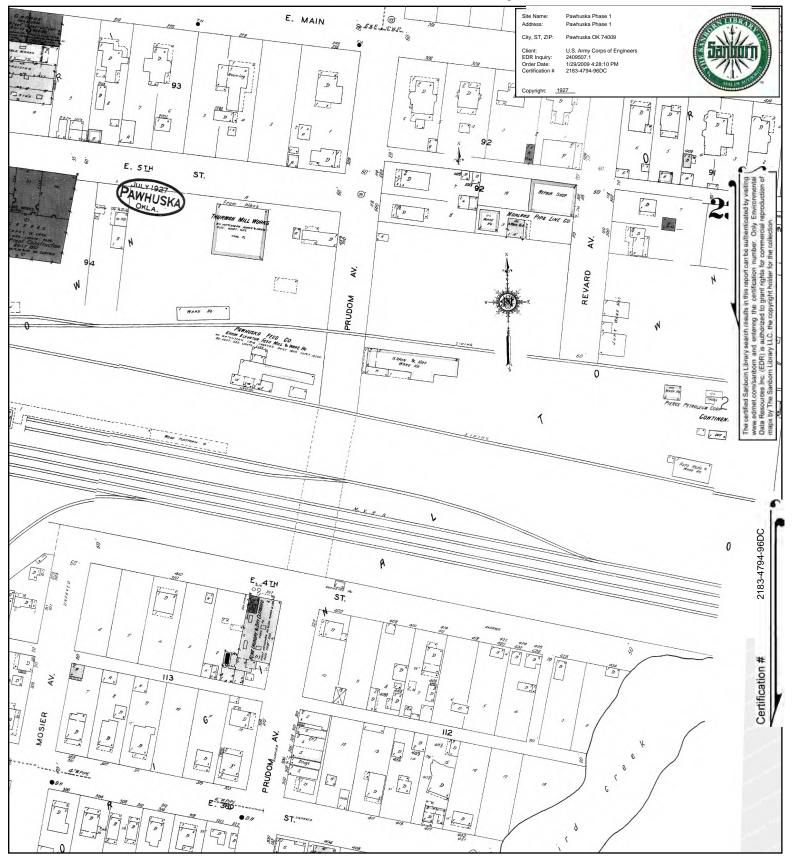
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 Volume 1, Sheet 5

 Volume 1, Sheet 21
 Volume 1, Sheet 21

 Volume 1, Sheet 22
 Volume 1, Sheet 22

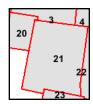
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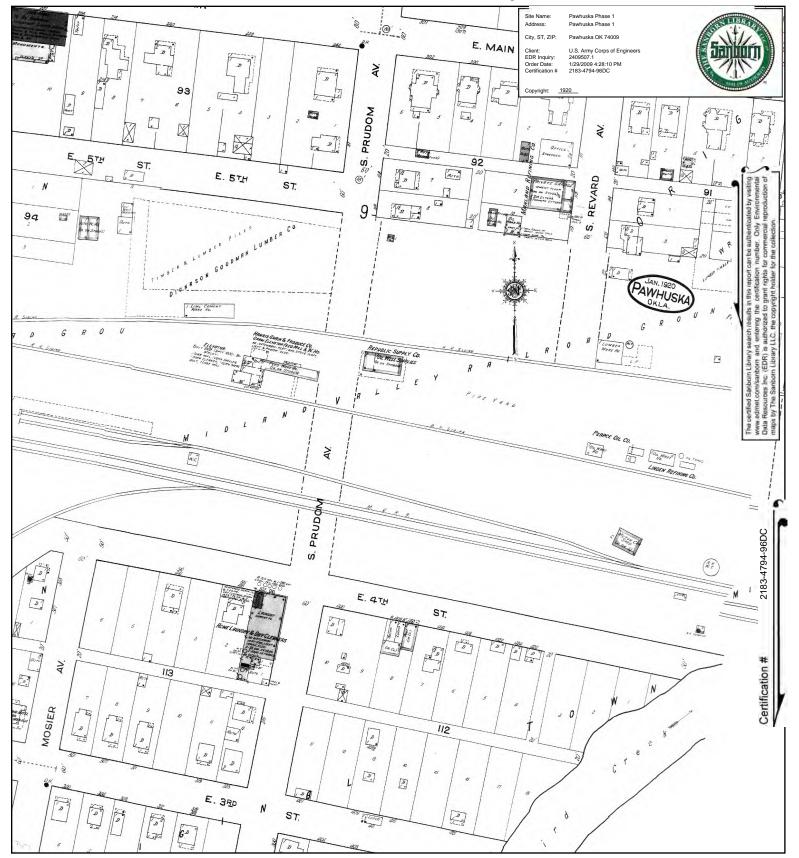
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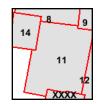
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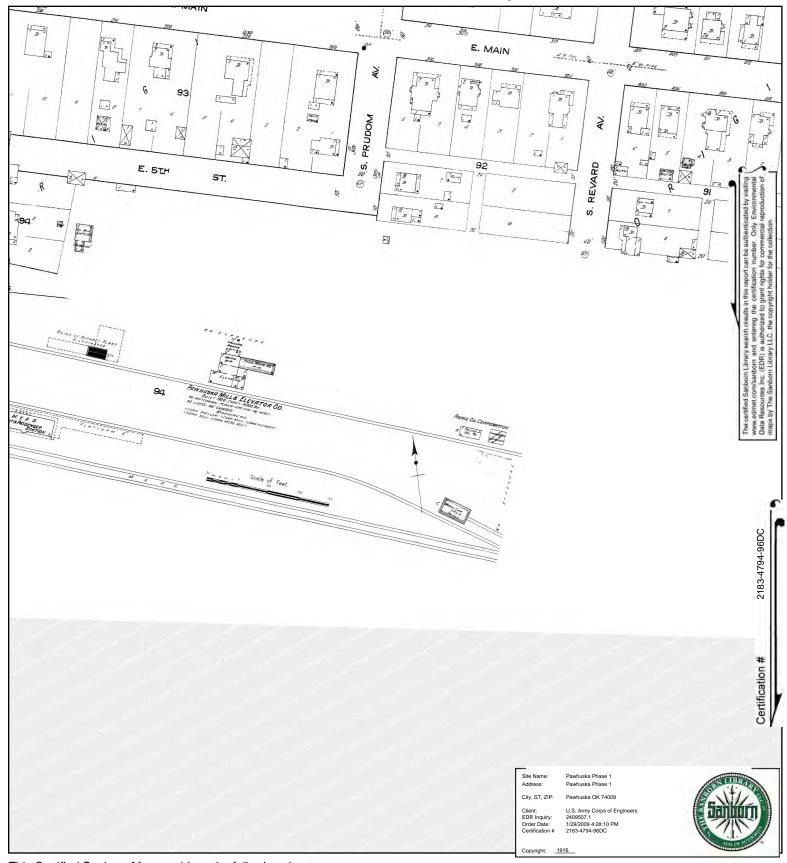
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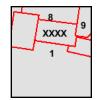
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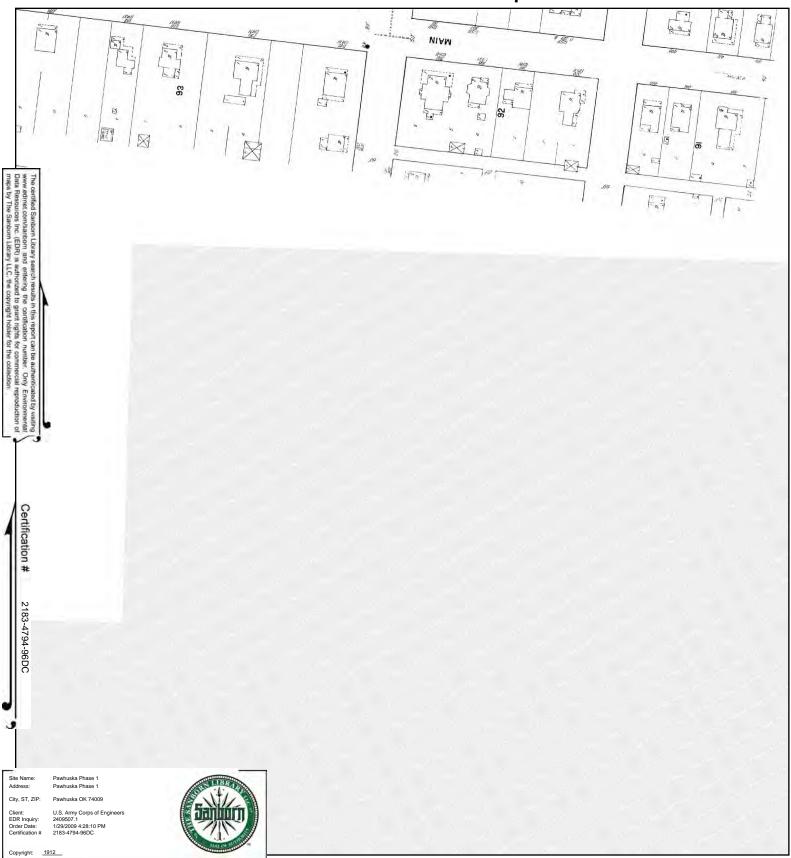
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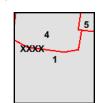
Volume 1, Sheet 1 Volume 1, Sheet 9 Volume 1, Sheet 10

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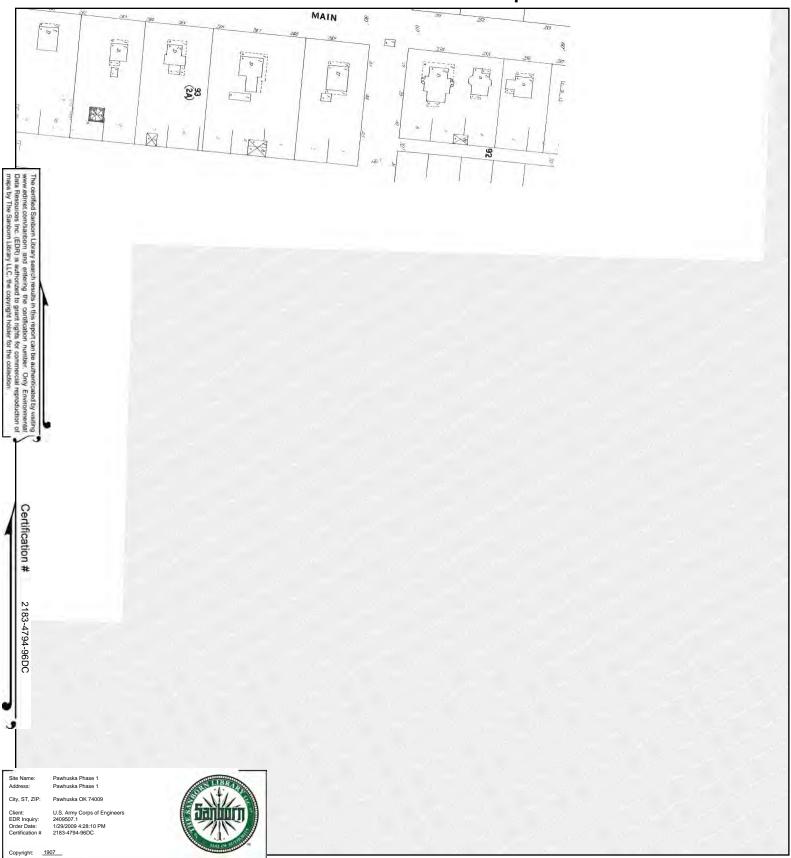
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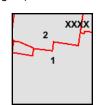
Volume 1, Sheet 1 Volume 1, Sheet 5





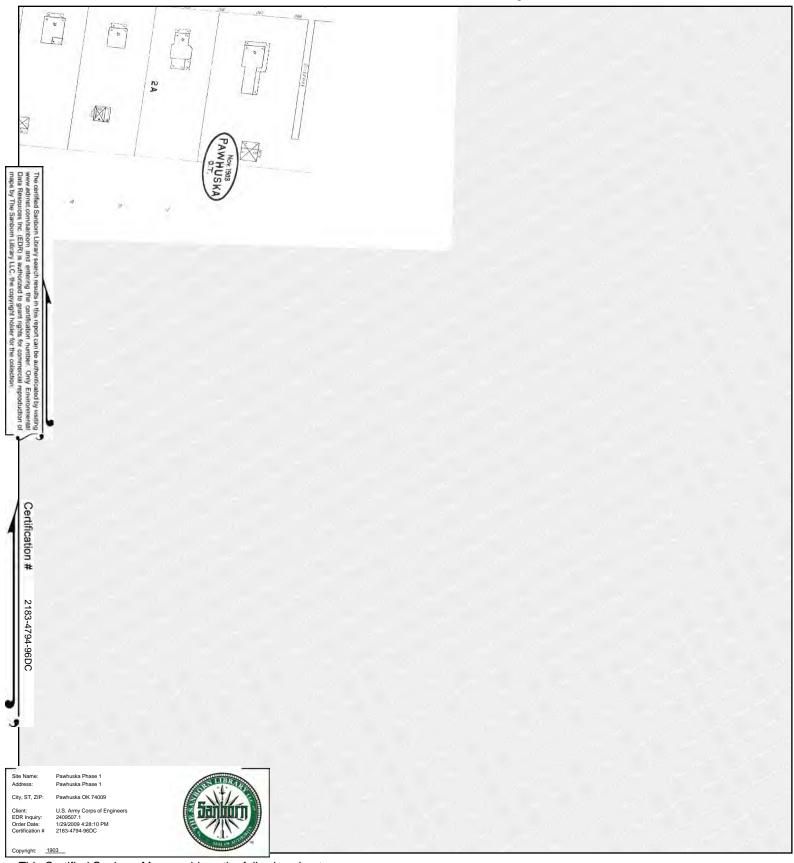
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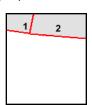
Volume 1, Sheet 1





This Certified Sanborn Map combines the following sheets (thumbnails on page 3).





Volume 1, Sheet 2



### Pawhuska Phase 1

Pawhuska Phase 1 Pawhuska, OK 74009

Inquiry Number: 2409507.1

January 29, 2009

# **Certified Sanborn® Map Report**



### **Certified Sanborn® Map Report**

1/29/09

Site Name: Client Name:

Pawhuska Phase 1 U.S. Army Corps of Engineers Pawhuska Phase 1 1645 S 101st East Ave. Pawhuska, OK 74009 Tulsa, OK 74128

EDR Inquiry # 2409507.1 Contact: Mark Webster



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by U.S. Army Corps of Engineers were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Pawhuska Phase 1
Address: Pawhuska Phase 1
City, State, Zip: Pawhuska, OK 74009

**Cross Street:** 

P.O. # NA Project: NA

**Certification #** 2183-4794-96DC

#### **Maps Provided:**

1912

1916

1920

1927

1958



Sanborn® Library search results Certification # 2183-4794-96DC

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Volume 1, Sheet 5

Volume 1, Sheet 23

Volume 1, Sheet 5

Volume 1, Sheet 23

#### 1927 Source Sheets





Volume 1, Sheet 5

Volume 1, Sheet 23

#### 1920 Source Sheets





Volume 1, Sheet 10

Volume 1, Sheet 13

### 1916 Source Sheets





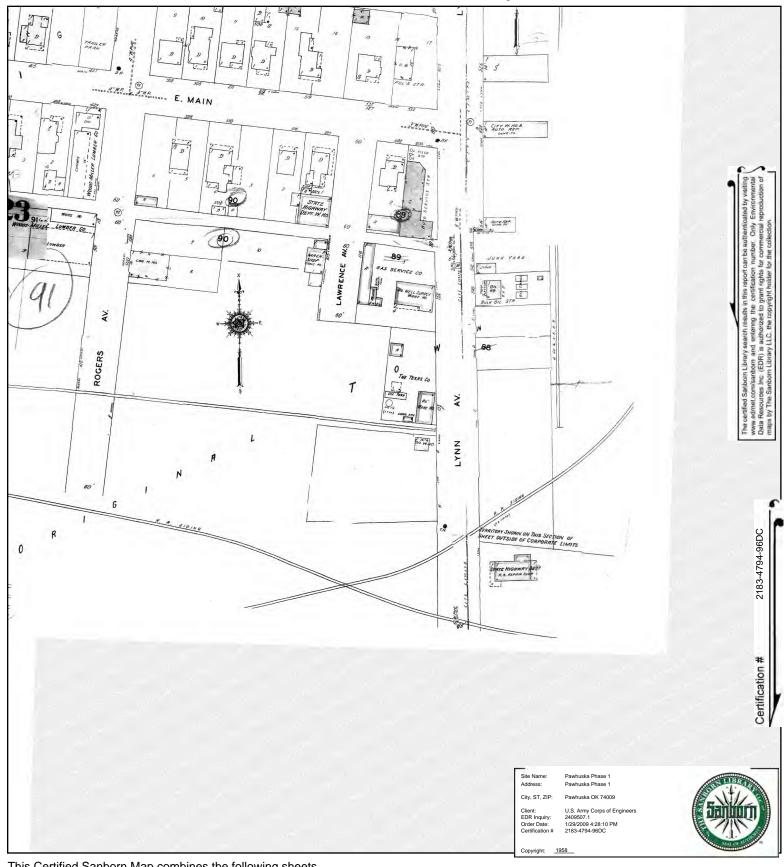
Volume 1, Sheet 1

Volume 1, Sheet 10

### 1912 Source Sheets

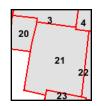


Volume 1, Sheet 1



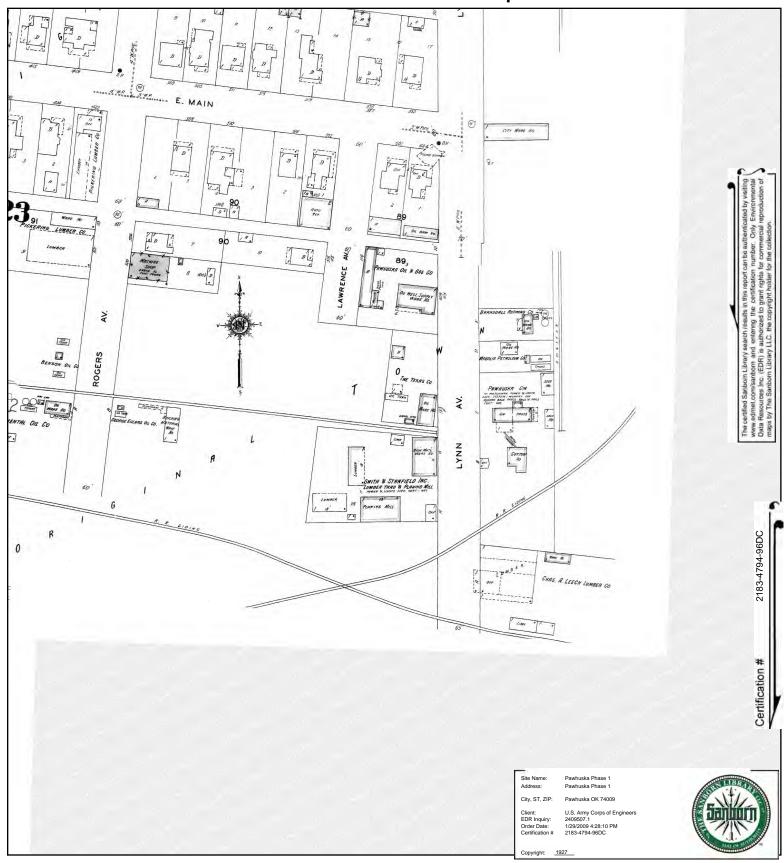
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Volume 1, Sheet 5 Volume 1, Sheet 23 Volume 1, Sheet 5 Volume 1, Sheet 23





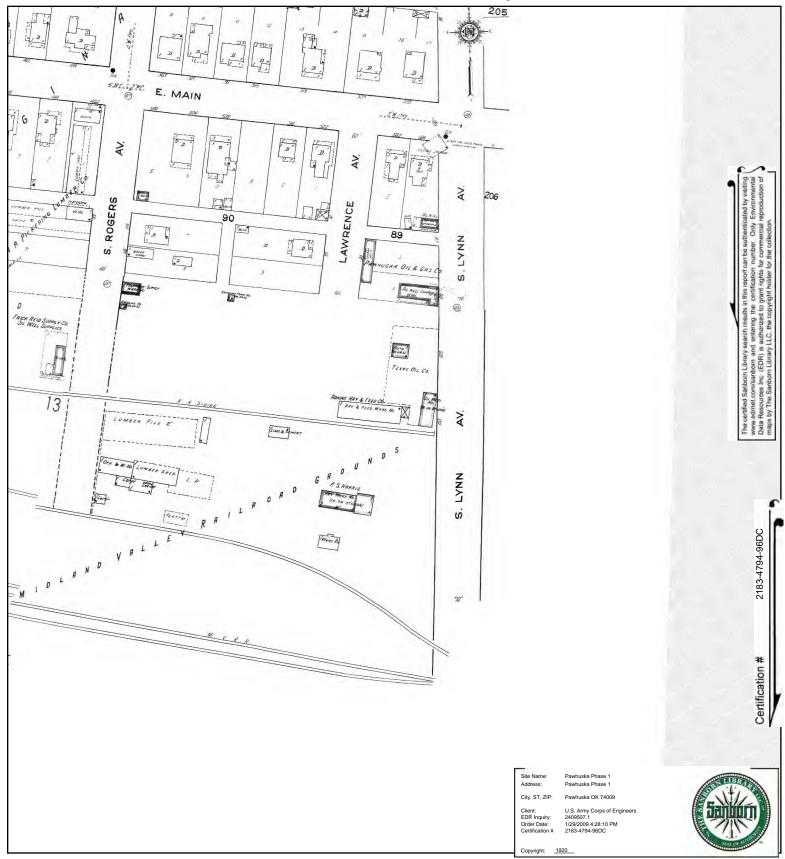
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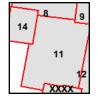
Volume 1, Sheet 5 Volume 1, Sheet 23





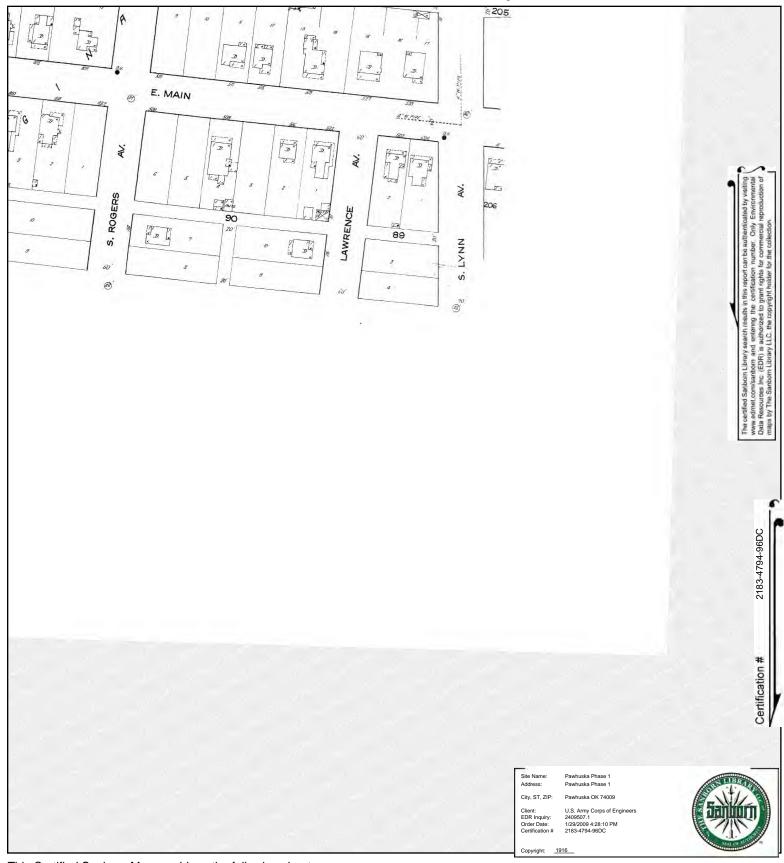
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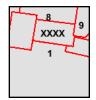
Volume 1, Sheet 10 Volume 1, Sheet 13





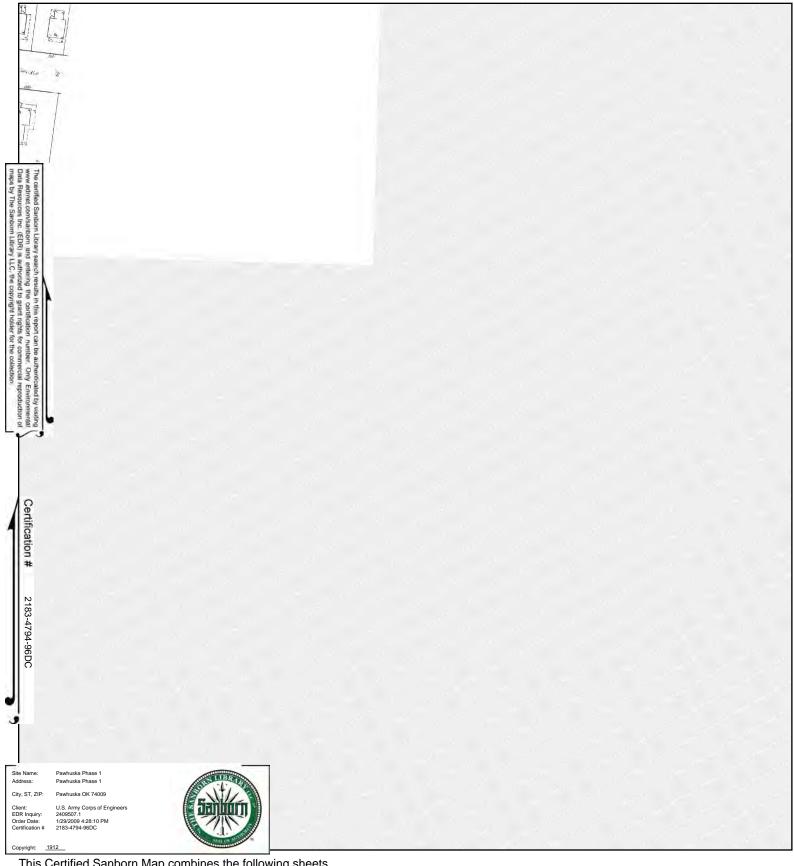
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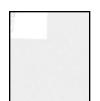


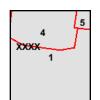
Volume 1, Sheet 1 Volume 1, Sheet 10





This Certified Sanborn Map combines the following sheets (thumbnails on page 3).





Volume 1, Sheet 1



APPENDIX G - HISTORICAL TOPOGRAPHIC MAPS

ALL Consulting Project No. 1264.PHI.00

Project Name: Former Banfield Property Location: Tulsa

### Pawhuska Phase 1

Pawhuska Phase 1 Pawhuska, OK 74056

Inquiry Number: 2409507.3

January 29, 2009

# The EDR Historical Topographic Map Report



## **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

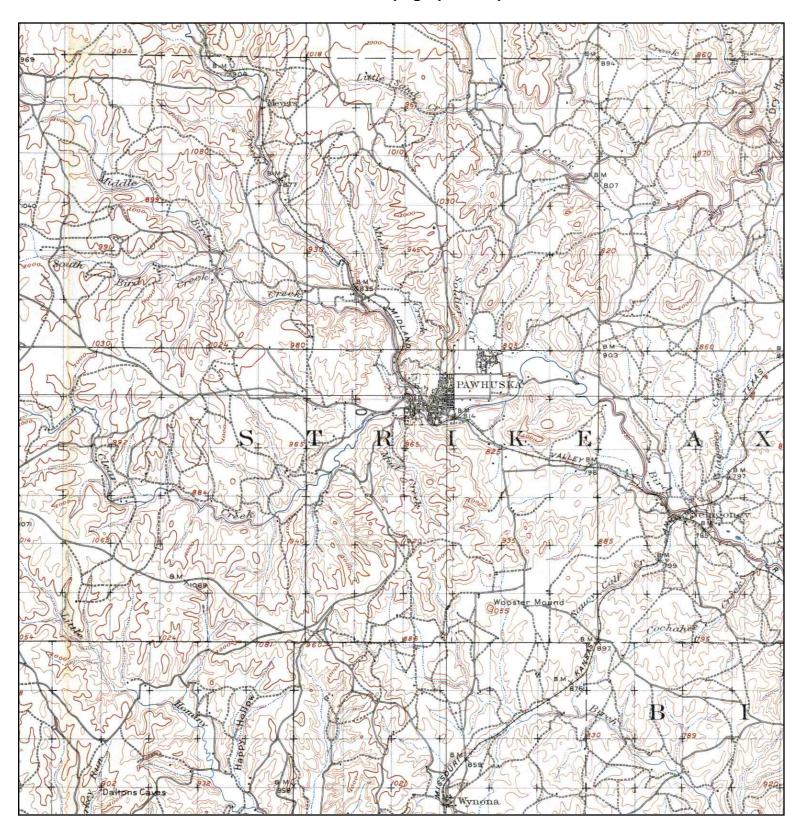
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### **Historical Topographic Map**





TARGET QUAD

NAME: PAWHUSKA

MAP YEAR: 1909

SERIES: 30 SCALE: 1:125000 SITE NAME: Pawhuska Phase 1

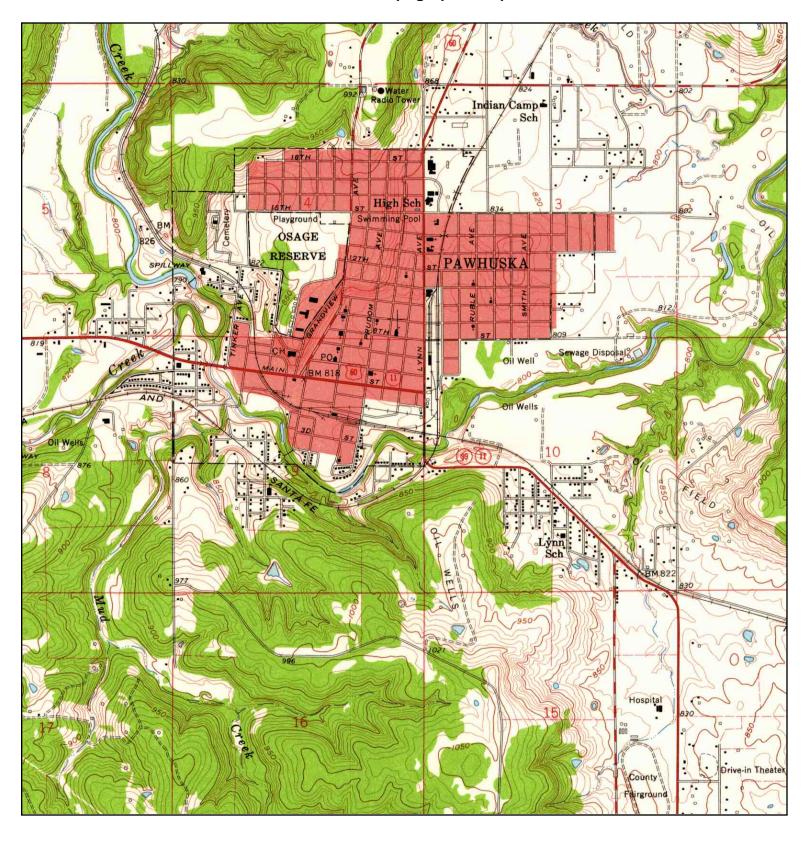
ADDRESS: Pawhuska Phase 1 Pawhuska, OK 74056

LAT/LONG: 36.6611 / 96.3364

CLIENT: U.S. Army Corps of Engineers

CONTACT: Mark Webster INQUIRY#: 2409507.3 RESEARCH DATE: 01/29/2009

### **Historical Topographic Map**





TARGET QUAD

NAME: PAWHUSKA

MAP YEAR: 1960

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Pawhuska Phase 1 ADDRESS: Pawhuska Phase 1

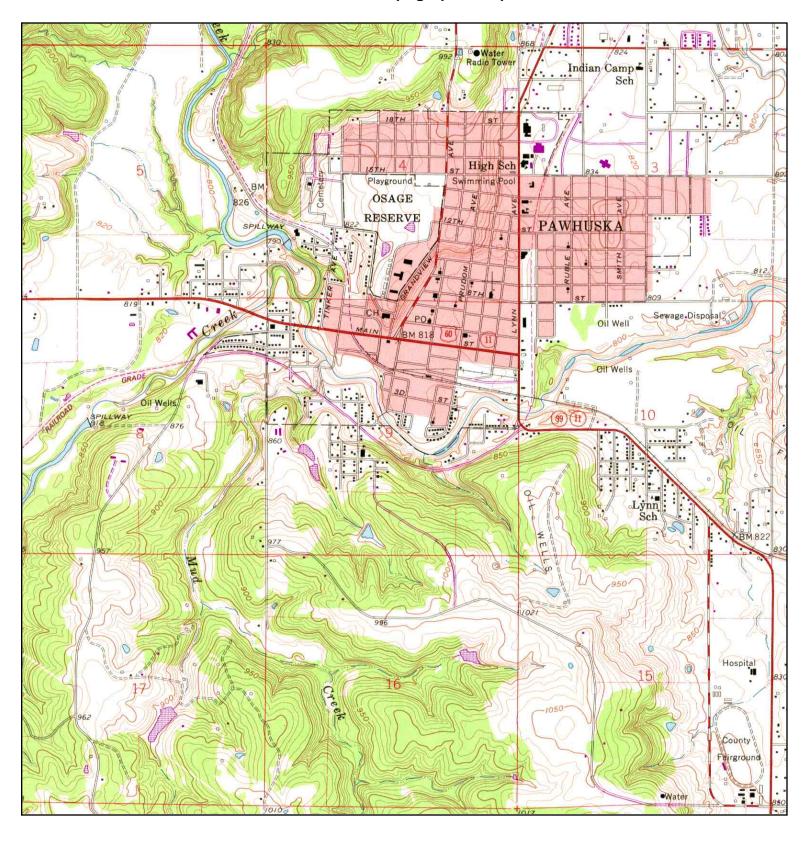
Pawhuska, OK 74056

LAT/LONG: 36.6611 / 96.3364

CLIENT: U.S. Army Corps of Engineers

CONTACT: Mark Webster INQUIRY#: 2409507.3 RESEARCH DATE: 01/29/2009

### **Historical Topographic Map**





TARGET QUAD

NAME: PAWHUSKA

MAP YEAR: 1979

PHOTOREVISED FROM:1960

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Pawhuska Phase 1 ADDRESS: Pawhuska Phase 1

Pawhuska, OK 74056 LAT/LONG: 36.6611 / 96.3364 CLIENT: U.S. Army Corps of Engineers

CONTACT: Mark Webster INQUIRY#: 2409507.3 RESEARCH DATE: 01/29/2009

**APPENDIX H - CITY DIRECTORIES** 

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa

### Pawhuska Phase 1

400 Prudom Pawhuska, OK 74056

Inquiry Number: 2409507.2

January 29, 2009

# **The EDR-City Directory Abstract**



## **EDR City Directory Abstract**

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

### Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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### **SUMMARY**

### City Directories:

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1997 through 1997. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: January 29, 2009

**Target Property:** 

400 Prudom

Pawhuska, OK 74056

<u>Year</u> <u>Uses</u> <u>Source</u>

1997 Formby Oil Co Polk's City Directory

# **Adjoining Properties**

## **SURROUNDING**

Multiple Addresses Pawhuska, OK 74056

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1997	** PRUDOM **	Polk's City Directory
	Residence (300)	Polk's City Directory
	Residence (309)	Polk's City Directory
	No other listings 300- 600 range Prudom	Polk's City Directory

# Pawhuska Phase 1

406 S. Lynn Avenue Pawhuska, OK 74056

Inquiry Number: 2409507.6

January 29, 2009

# **The EDR-City Directory Abstract**



# **EDR City Directory Abstract**

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# City Directories:

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Date EDR Searched Historical Sources: January 29, 2009

**Target Property:** 

406 S. Lynn Avenue Pawhuska, OK 74056

<u>Year</u> <u>Uses</u> <u>Source</u>

1997 Pawhuska Street Dept Polk's City Directory

**Adjoining Properties** 

**SURROUNDING** 

Multiple Addresses Pawhuska, OK 74056

<u>Year</u> <u>Uses</u> <u>Source</u>

1997 \*\* S LYNN AVE \*\* Polk's City Directory

Tri Am Acid & Fracturing Service (230) Polk's City Directory

No other listings on street Polk's City Directory

# Pawhuska Phase 1 Site

150 Prudom Ave Pawhuska, OK 74056

Inquiry Number: 2409156.6

January 29, 2009

# **The EDR-City Directory Abstract**



# **EDR City Directory Abstract**

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# **SUMMARY**

# City Directories:

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1997 through 1997. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: January 29, 2009

# **Target Property:**

150 Prudom Ave Pawhuska, OK 74056

<u>Year</u> <u>Uses</u> <u>Source</u>

1997 Address Not Listed in Research Source Polk's City Directory

# **Adjoining Properties**

## **SURROUNDING**

Multiple Addresses Pawhuska, OK 74056

<b><u>Year</u></b> 1997	<u>Uses</u> ** PRUDOM AVE **	Source Polk's City Directory
	Residence (102)	Polk's City Directory
	Residence (110)	Polk's City Directory
	Residence (120)	Polk's City Directory
	Residence (300)	Polk's City Directory
	No other listings 150- 300 range Prudom Ave	Polk's City Directory

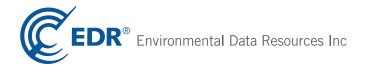
APPENDIX I – RELEVANT REGULATORY RECORDS

ALL Consulting Project No. 1264.PHI.00 Project Name: Former Banfield Property Location: Tulsa Pawhuska Phase I Pawhuska, OK 74056

Inquiry Number: 02409359.1r

January 29, 2009

# **EDR DataMap™ Area Study**



Thank you for your business.
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## TARGET PROPERTY INFORMATION

## **ADDRESS**

PAWHUSKA, OK 74056 PAWHUSKA, OK 74056

## **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

## **FEDERAL RECORDS**

NPL	National Priority List
	Proposed National Priority List Sites
Delisted NPI	National Priority List Deletions
NPL LIENS	
CERC-NERAP	CERCLIS No Further Remedial Action Planned
LIENS 2.	
CORRACTS	
	RCRA - Transporters, Storage and Disposal
	RCRA - Large Quantity Generators
RCRA-SOG	RCRA - Small Quantity Generators
RCRA-NonGen	
LIS ENG CONTROLS	Engineering Controls Sites List
LIS INST CONTROL	Sites with Institutional Controls
	Emergency Response Notification System
	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	
	A Listing of Brownfields Sites
DOD	Department of Defense Sites
	Formerly Used Defense Sites
	Land Use Control Information System
	Superfund (CERCLA) Consent Decrees
ROD.	Records Of Decision
UMTRA	
DERDIS DECION O	Torres Martinez Reservation Illegal Dump Site Locations
ODI	
MINES	
	Toxic Chemical Release Inventory System
	Toxic Substances Control Act
	. FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
LICT ETTC	FIFRA/TSCA (Toxic Substances Control Act) FIFRA/TSCA Tracking System Administrative Case Listing
ПЮ ГПО	- FIFRALISCA TIACKING SYSTEM AUTHINISTIATIVE CASE LISTING
DADO	Section 7 Tracking Systems
MITO	PCB Activity Database System  Meterial Licensing Tracking System
IVIL I O	Material Licensing Tracking System

RADINFO...... Radiation Information Database

RAATS...... RCRA Administrative Action Tracking System

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

## STATE AND LOCAL RECORDS

SHWS..... The Land Report

SWF/LF..... Permitted Solid Waste Disposal & Processing Facilities

LAST..... Leaking Aboveground Storage Tanks List

INST CONTROL..... Institutional Control Sites

VCP..... Voluntary Cleanup Site Inventory

BROWNFIELDS..... Brownfield Sites

AIRS..... Permitted AIRS Facility Listing

OK COMPLAINT..... Oklahoma Complaint System Database

#### TRIBAL RECORDS

INDIAN VCP...... Voluntary Cleanup Priority Listing

#### **EDR PROPRIETARY RECORDS**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

#### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

#### **FEDERAL RECORDS**

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/07/2008 has revealed that there is 1 CERCLIS site within the searched area.

Site	Address	Map ID	Page
DECKARD'S WELDING & MACHINE	320 GIRARD AVE	17	34

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-CESQG site within the searched area.

Site	Address	Map ID	Page
PAWHUSKA DAILY JOURNAL CAPITAL	700 KI HE KAH	5	7

ICIS: The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

A review of the ICIS list, as provided by EDR, and dated 07/31/2008 has revealed that there is 1 ICIS site within the searched area.

Site	Address	Map ID	Page
PAWHUSKA, CITY OF STORAGE FAC	710 W 10TH ST	1	3

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/30/2008 has revealed that there are 3 FINDS sites within the searched area.

Site	Address	Map ID	Page
PAWHUSKA, CITY OF STORAGE FAC	710 W 10TH ST	1	3
PAWHUSKA DAILY JOURNAL CAPITAL	700 KI HE KAH	5	7
DECKARD'S WELDING & MACHINE	320 GIRARD AVE	17	34

#### STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Oklahoma Corporation Commission's Leaking UST list.

A review of the LUST list, as provided by EDR, and dated 07/01/2008 has revealed that there are 5

LUST sites within the searched area.

Site	Address	Map ID	Page
FORMBY OIL CO. STATUS: Confirmed Release Closed STATUS: Confirmed Release Opened *Additional key fields are available in the	238 E. MAIN  Map Findings section	11	15
JERRY E. COLLINS STATUS: Confirmed Release Opened	201 E MAIN	11	18
FORMBY PHILLIPS 66 STATION STATUS: Suspicion of Release Closed STATUS: Confirmed Release Opened *Additional key fields are available in the	301 E MAIN  Map Findings section	12	20
TIMMONS TOTAL STATUS: Confirmed Release Closed STATUS: Confirmed Release Opened	429 EAST MAIN	13	23
EZ MART STORE #626 STATUS: Confirmed Release Opened STATUS: Confirmed Release Closed	521 E MAIN	14	25

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Oklahoma Corporation Commission's State UST List, List II Version.

A review of the UST list, as provided by EDR, and dated 05/07/2008 has revealed that there are 15 UST sites within the searched area.

Site	Address	Map ID	Page
SMITHS APCO STATION	903 N LYNN	2	4
MAVERICK MINI MART #26	914 W 7TH	3	5
OKLAHOMA NATIONAL GUARD ARMORY	' 823 E 8TH	4	6
JOHN W ATTERBERRY	717 LYNN AVE	6	9
PHILLIPS 66 CO #005221	MAIN & PERSON	7	10
PRESTON D LANDRUM	201 W MAIN ST	9	11
LOWRY'S CLOTHING STORE	127 W. MAIN	10	13
PRUDOM ST & MAIN ST	238 E MAIN	11	14
SOUTHWESTERN BELL TELEPHONE CO	221 E MAIN	11	18
JERRY E. COLLINS	201 E MAIN	11	18
FORMBY PHILLIPS 66 STATION	301 E MAIN	12	20
HENKELS QUICK STOP	429 E MAIN	13	23
EZ MART #626	521 E MAIN	14	25
GETTY BULK PLANT	5TH & LEAHY	15	27
DILLARD OIL CO.	PO BOX 92 HWY 8	16	<i>32</i>

HIST UST: This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

A review of the HIST UST list, as provided by EDR, and dated 03/21/2003 has revealed that there are 15 HIST UST sites within the searched area.

Site	Address	Map ID	Page
SMITHS APCO STATION	903 N LYNN	2	4
MAVERICK MINI MART #26	914 W 7TH	3	5
OKLAHOMA NATIONAL GUARD ARMOR	Y 823 E 8TH	4	6
JOHN W ATTERBERRY	717 LYNN AVE	6	9
PHILLIPS 66 CO #005221	MAIN & PERSON	7	10
PRESTON D LANDRUM	201 W MAIN ST	9	11
LOWRY'S CLOTHING STORE	127 W. MAIN	10	13
PRUDOM ST & MAIN ST	238 E MAIN	11	14
SOUTHWESTERN BELL TELEPHONE CO	221 E MAIN	11	18
JERRY E. COLLINS	201 E MAIN	11	18
FORMBY PHILLIPS 66 STATION	301 E MAIN	12	20
HENKELS QUICK STOP	429 E MAIN	13	23
EZ MART #626	521 E MAIN	14	25
GETTY BULK PLANT	5TH & LEAHY	15	27
DILLARD OIL CO.	PO BOX 92 HWY 8	16	32

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Oklahoma Corporation Commission's State AST List, List II Version.

A review of the AST list, as provided by EDR, and dated 05/07/2008 has revealed that there are 4 AST sites within the searched area.

Site	Address	Map ID	Page
PRUDOM ST & MAIN ST	238 E MAIN	11	14
SOUTHWESTERN BELL TELEPHONE CO	221 E MAIN	11	18
FORMBY OIL	400 PRUDOM	16	31
DILLARD OIL CO.	PO BOX 92 HWY 8	16	32

DRYCLEANERS: A listing of drycleaner facility locations.

A review of the DRYCLEANERS list, as provided by EDR, and dated 10/06/2008 has revealed that there is 1 DRYCLEANERS site within the searched area.

Site	Address	Map ID	Page
112 E 6TH ST (CHARLES CLNRS)	112 E 6TH ST	8	11

TIER 2: A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

A review of the TIER 2 list, as provided by EDR, and dated 09/23/2008 has revealed that there are 2 TIER 2 sites within the searched area.

Site	Address	Map ID	Page
AT&T TELEPHONE FACILITY - R641	221 E MAIN	11	16
FORMBY OIL PAWHUSKA	400 PRUDOM RD	16	27

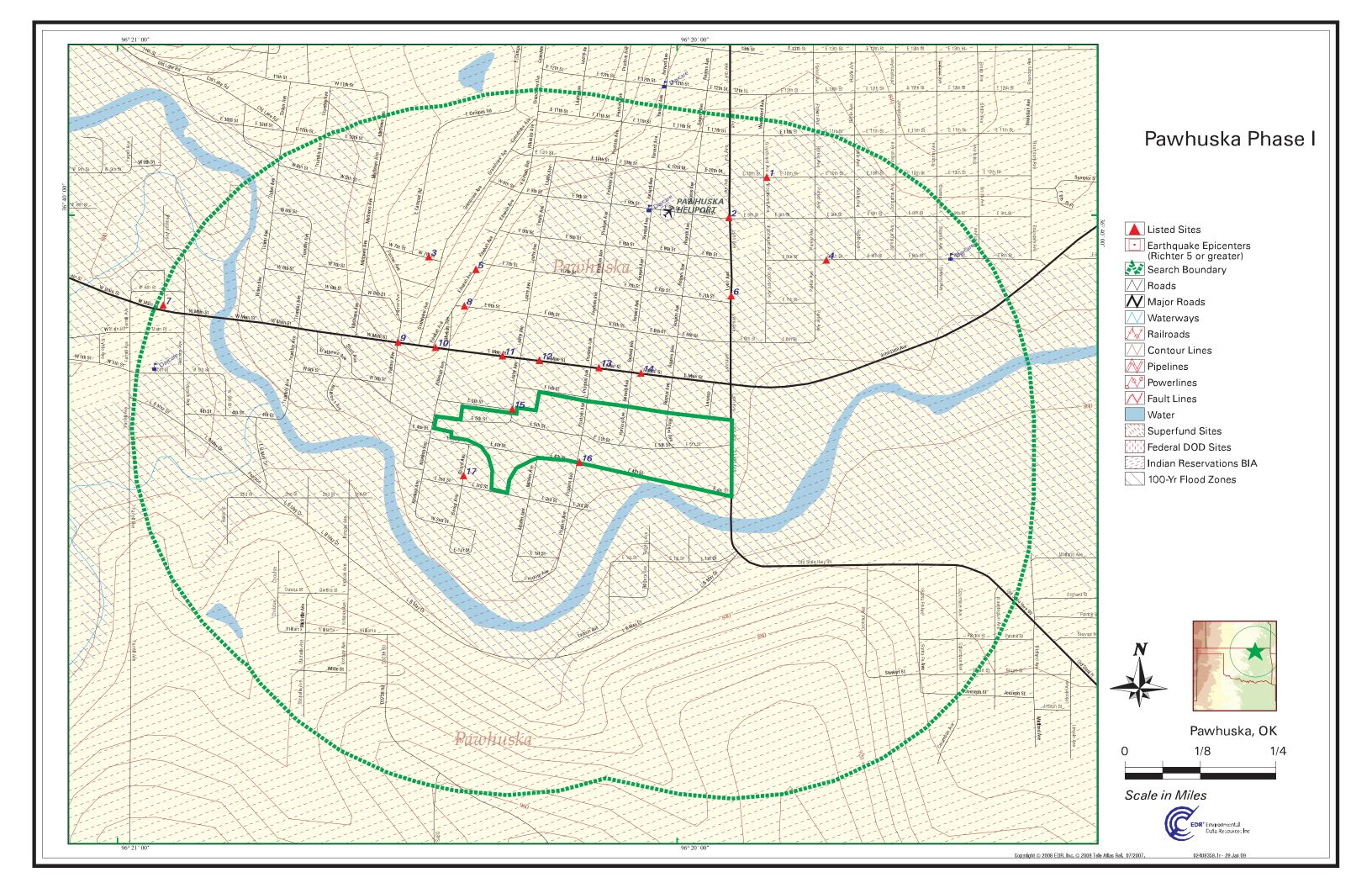
## TRIBAL RECORDS

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within the searched area.

Site	Address	Map ID	Page
OSAGE INDIAN RESERVATION		0	3

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.



## MAP FINDINGS SUMMARY

	Database	Total Plotted
FEDERAL RECORDS		
STATE AND LOCAL PECO	NPL Proposed NPL Delisted NPL NPL LIENS CERCLIS CERC-NFRAP LIENS 2 CORRACTS RCRA-TSDF RCRA-LQG RCRA-SQG RCRA-CESQG RCRA-NonGen US ENG CONTROLS US INST CONTROL ERNS HMIRS DOT OPS US CDL US BROWNFIELDS DOD FUDS LUCIS CONSENT ROD UMTRA DEBRIS REGION 9 ODI MINES TRIS TSCA FTTS HIST FTTS SSTS ICIS PADS MLTS RADINFO FINDS RAATS SCRD DRYCLEANERS	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
STATE AND LOCAL RECO	<del></del>	0
	SHWS SWF/LF LUST UST	0 0 5 15

# MAP FINDINGS SUMMARY

Dat	abase		Total Plotted
LAS AS INS VCI DR BRI AIR TIE	T T CONTROL S YCLEANERS DWNFIELDS S		15 0 4 0 0 1 0 0 2
TRIBAL RECORDS			
IND IND IND	IIAN RESERV IIAN ODI IIAN LUST IIAN UST IIAN VCP		1 0 0 0
EDR PROPRIETARY RECORDS			
Mai	nufactured Gas Plant	S	0

# NOTES:

Sites may be listed in more than one database

## MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

IND RES OSAGE INDIAN RESERVATION Region

INDIAN RESERV CIND100328

N/A

**EDR ID Number** 

**OSAGE INDIAN RESERVATION (County), OK** 

INDIAN RESERV:

Feature: Indian Reservation
Name: Osage Indian Reservation

Agency: BIA State: OK

1 PAWHUSKA, CITY OF STORAGE FAC 710 W 10TH ST PAWHUSKA, OK 74056 FINDS 1005656604 110010642313

FINDS:

Other Pertinent Environmental Activity Identified at Site

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

## 1 PAWHUSKA, CITY OF STORAGE FAC 710 W 10TH ST PAWHUSKA, OK 74056

ICIS 1011620014 N/A

ICIS:

Enforcement Action ID: 06-2000-1106 FRS ID: 110010642313 Program ID: FRS 110010642313

Action Name: PAWHUSKA, CITY OF, AN OKLAHOMA MUNICIPALITY

Facility Name: PAWHUSKA, CITY OF STORAGE FAC

Facility Address: 710 W 10TH ST

PAWHUSKA, Oklahoma 74056

Enforcement Action Type: CWA 311B6A1 AO For Class I Penalty

Facility County: OSAGE EPA Region #: 6

Program ID: FRS 110010642313

Facility Name: PAWHUSKA, CITY OF STORAGE FAC Address: 710 W 10TH ST PAWHUSKA OK 74056

Tribal Indicator: No

Fed Facility: Not reported NAIC Code: Not reported SIC Code: 5171

## MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

2 **SMITHS APCO STATION 903 N LYNN** PAWHUSKA, OK 74056

UST U001230882 **HIST UST** N/A

**EDR ID Number** 

UST:

Facility ID: 5706387

Lat/Long (dms): 36 40 0.2655029296875 / 96 19 55.587158203125 Lat/Long: 36.666740417480469 / -96.332107543945313

Contact Name: Lionel Harris Oil Company Contact Address: P.O. Drawer 112 Contact City,St,Zip: Cushing, OK 74023

Tank ID:

Tank Status: Currently in Use Private-Retail Tank Type: Date Installed: 12/1/1990

Tank Material Descr: Composite (Steel w/ FRP) Piping Material Descr: Fiberglass Reinforced Plastic

AST: False Substance Description: Gasoline

Tank ID:

Currently in Use Tank Status: Tank Type: Private-Retail Date Installed: 12/1/1990

Composite (Steel w/ FRP) Tank Material Descr: Piping Material Descr: Fiberglass Reinforced Plastic

AST:

False Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 1/1/1970

Asphalt Coated or Bare Steel Tank Material Descr: Fiberglass Reinforced Plastic Piping Material Descr:

False AST: Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 1/1/1970

Asphalt Coated or Bare Steel Tank Material Descr: Fiberglass Reinforced Plastic Piping Material Descr:

AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5706387

Owner Name: Lionel Harris Oil Company

P.O. Drawer 112 Owner Address: Owner City, St, Zip: Cushing, OK 74023

Tank ID:

Tank Status: Currently in Use Installed Date: 12/1/1990 0:00:00 Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## SMITHS APCO STATION (Continued)

U001230882

**EDR ID Number** 

Tank Capacity: 8000 Product: Gasoline

Facility ID: 5706387

Owner Name: Lionel Harris Oil Company
Owner Address: P.O. Drawer 112
Owner City,St,Zip: Cushing, OK 74023

Tank ID: 2

Tank Status: Currently in Use Installed Date: 12/1/1990 0:00:00

Tank Capacity: 8000 Product: Gasoline

Facility ID: 5706387

Owner Name: Lionel Harris Oil Company

Owner Address: P.O. Drawer 112 Owner City,St,Zip: Cushing, OK 74023

Tank ID: 3

Tank Status: Permanently Out of Use Installed Date: 1/1/1970 0:00:00

Tank Capacity: 6000 Product: Gasoline

Facility ID: 5706387

Owner Name: Lionel Harris Oil Company

Owner Address: P.O. Drawer 112 Owner City,St,Zip: Cushing, OK 74023

Tank ID: 4

Tank Status: Permanently Out of Use

Installed Date: 1/1/1970 0:00:00

Tank Capacity: 8000 Product: Gasoline

## 3 MAVERICK MINI MART #26 914 W 7TH PAWHUSKA, OK 74056

UST U001230900 HIST UST N/A

UST:

Facility ID: 5708568

Lat/Long (dms): 36 39 56.70867919921875 / 96 21 7.0257568359375 Lat/Long: 36.665752410888672 / -96.351951599121094

Contact Name: MAVERIC MINI MARTS, INC.

Contact Address: PO BOX 1489
Contact City,St,Zip: Cushing, OK 74023

Tank ID:

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 7/1/1989

Tank Material Descr: Composite (Steel w/ FRP)
Piping Material Descr: Fiberglass Reinforced Plastic

AST: False Substance Description: Gasoline

Tank ID: 2

Tank Status: Currently in Use Tank Type: Private-Retail

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## MAVERICK MINI MART #26 (Continued)

U001230900

**EDR ID Number** 

Date Installed: 7/1/1989

Tank Material Descr: Composite (Steel w/ FRP)
Piping Material Descr: Fiberglass Reinforced Plastic

AST: False Substance Description: Gasoline

Tank ID:

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 7/1/1989

Tank Material Descr: Composite (Steel w/ FRP)
Piping Material Descr: Fiberglass Reinforced Plastic

AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5708568

Owner Name: MAVERIC MINI MARTS, INC.

Owner Address: PO BOX 1489 Owner City,St,Zip: Cushing, OK 74023

Tank ID:

Tank Status: Currently in Use Installed Date: 7/1/1989 0:00:00

Tank Capacity: 6000 Product: Gasoline

Facility ID: 5708568

Owner Name: MAVERIC MINI MARTS, INC.

Owner Address: PO BOX 1489 Owner City,St,Zip: Cushing, OK 74023

Tank ID: 2

Tank Status: Currently in Use Installed Date: 7/1/1989 0:00:00

Tank Capacity: 6000 Product: Gasoline

Facility ID: 5708568

Owner Name: MAVERIC MINI MARTS, INC.

Owner Address: PO BOX 1489 Owner City,St,Zip: Cushing, OK 74023

Tank ID:

Tank Status: Currently in Use Installed Date: 7/1/1989 0:00:00

Tank Capacity: 6000 Product: Gasoline

## 4 OKLAHOMA NATIONAL GUARD ARMORY 823 E 8TH PAWHUSKA, OK 74056

UST U001885266 HIST UST N/A

UST:

Facility ID: 5705776

Lat/Long (dms): 36 39 56.124000549316406 / 96 19 44.11199951171875

Lat/Long: 36.665590000000002 / -96.328919999999997
Contact Name: OKLAHOMA MILITARY DEPT (OKDE-ENV)

Contact Address: ATTN: ENVIRONMENTAL OFFICE 3501 MILITARY CIRCLE

#### MAP FINDINGS

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## OKLAHOMA NATIONAL GUARD ARMORY (Continued)

U001885266

**EDR ID Number** 

Contact City, St, Zip: Oklahoma City, OK 73111

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Public-State
Date Installed: 12/31/1952

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5705776

Owner Name: OKLAHOMA MILITARY DEPT-OKDE

Owner Address: 3501 MILITARY CIRCLE Owner City, St, Zip: Oklahoma City, OK 73111

Tank ID:

Tank Status: Permanently Out of Use Installed Date: 12/31/1952 0:00:00

Tank Capacity: 1000 Product: Gasoline

## 5 PAWHUSKA DAILY JOURNAL CAPITAL 700 KI HE KAH PAWHUSKA, OK 74056

FINDS 1004768548 RCRA-CESQG OKD007230543

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

#### RCRA-CESQG:

Date form received by agency: 05/26/1987

Facility name: PAWHUSKA DAILY JOURNAL CAPITAL

Facility address: 700 KI HE KAH

PAWHUSKA, OK 74056

EPA ID: OKD007230543
Mailing address: PO BOX 238

PAWHUSKA, OK 74056

Contact: MIKE DAVIS
Contact address: PO BOX 238

PAWHUSKA, OK 74056

Contact country: US

Contact telephone: (918) 287-1590 Contact email: Not reported

EPA Region: 06

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

Map ID Direction Distance Distance (ft.)Site

EDR ID Number

## PAWHUSKA DAILY JOURNAL CAPITAL (Continued)

1004768548

**EPA ID Number** 

Database(s)

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DONREY, INC Owner/operator address: PO BOX 1359

FORT SMITH, AR 72902

Owner/operator country: Not reported
Owner/operator telephone: (479) 785-7884
Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No

Off-site waste receiver: Commercial status unknown

No

Hazardous Waste Summary:

Used oil transporter:

Waste code: D000
Waste name: Not Defined

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

## MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## 6 JOHN W ATTERBERRY 717 LYNN AVE PAWHUSKA, OK 74056

UST U001230868 HIST UST N/A

**EDR ID Number** 

UST:

Facility ID: 5705549

Lat/Long (dms): 36 39 55.332000732421875 / 96 19 54.33599853515625

Lat/Long: 36.665370000000003 / -96.331760000000003

Contact Name: JOHN W ATTERBERRY

Contact Address: 1412 LEAHY

Contact City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail
Date Installed: Not reported
Tank Material Descr: Unknown
Piping Material Descr: Unknown
AST: False
Substance Description: Not Listed

Tank ID: 2

Tank Status: Permanently Out of Use

Tank Type: Private-Retail
Date Installed: Not reported
Tank Material Descr: Unknown
Piping Material Descr: Unknown
AST: Unknown
False
Substance Description: Not Listed

HIST UST:

Facility ID: 5705549

Owner Name: JOHN W ATTERBERRY

Owner Address: 1412 LEAHY

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use

Installed Date: Not reported Tank Capacity: Not reported Product: Not Listed

Facility ID: 5705549

Owner Name: JOHN W ATTERBERRY

Owner Address: 1412 LEAHY

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID: 2

Tank Status: Permanently Out of Use

Installed Date: Not reported Tank Capacity: Not reported Product: Not Listed

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

7 PHILLIPS 66 CO #005221 MAIN & PERSON PAWHUSKA, OK 74056 UST U001885262 HIST UST N/A

**EDR ID Number** 

UST:

Facility ID: 5705061

Lat/Long (dms): 36 39 51.911998748779297 / 96 20 52.83599853515625

Lat/Long: 36.66442 / -96.348010000000002

Contact Name: Phillips 66 Company
Contact Address: P.O. Box 2400
Contact City,St,Zip: Bartlesville, OK 74004

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 4/19/1963

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 4/19/1963

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

Tank ID: 3

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 4/19/1963

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Bare Steel AST: Bare Steel False Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use Tank Type: Private-Nonretail 4/19/1963

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Used Oil

HIST UST:

Facility ID: 5705061

Owner Name: Phillips 66 Company
Owner Address: P.O. Box 2400
Owner City,St,Zip: Bartlesville, OK 74004

Tank ID: 1

Tank Status: Permanently Out of Use Installed Date: 4/19/1963 0:00:00

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

Database(s) EPA ID Number

U001885262

## PHILLIPS 66 CO #005221 (Continued)

Tank Capacity: 4000 Product: Gasoline

Facility ID: 5705061

Owner Name: Phillips 66 Company
Owner Address: P.O. Box 2400
Owner City,St,Zip: Bartlesville, OK 74004

Tank ID: 2

Tank Status: Permanently Out of Use Installed Date: 4/19/1963 0:00:00

Tank Capacity: 6000 Product: Gasoline

Facility ID: 5705061

Owner Name: Phillips 66 Company
Owner Address: P.O. Box 2400
Owner City,St,Zip: Bartlesville, OK 74004

Tank ID:

Tank Status: Permanently Out of Use Installed Date: 4/19/1963 0:00:00

Tank Capacity: 4000 Product: Gasoline

Facility ID: 5705061

Owner Name: Phillips 66 Company
Owner Address: P.O. Box 2400
Owner City,St,Zip: Bartlesville, OK 74004

Tank ID: 4

Tank Status: Permanently Out of Use Installed Date: 4/19/1963 0:00:00

Tank Capacity: 560
Product: Used Oil

8 112 E 6TH ST (CHARLES CLNRS) 112 E 6TH ST DRYCLEANERS S107517530 N/A

UST

**HIST UST** 

U001885272

N/A

PAWHUSKA, OK 74056 OK DRYCLN:

Facility ID: 3794
Facility Status: Operating
Company Name: CHARLES CLNR

SIC Code: 7216 NAICS Code: 812320

9 PRESTON D LANDRUM 201 W MAIN ST PAWHUSKA, OK 74056

UST:

Facility ID: 5706826

Lat/Long (dms): 36 39 49.139999389648438 / 96 20 29.903999328613281

Lat/Long: 36.66364999999997 / -96.34163999999998

Contact Name: PRESTON D LANDRUM
Contact Address: 201 W MAIN STR
Contact City,St,Zip: Pawhuska, OK 74056

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

## PRESTON D LANDRUM (Continued)

Tank ID:

Permanently Out of Use Tank Status:

Private-Retail Tank Type: Date Installed: Not reported

Tank Material Descr: Asphalt Coated or Bare Steel

Galvanized Steel Piping Material Descr:

AST: False Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Private-Retail Tank Type: Date Installed: Not reported

Asphalt Coated or Bare Steel Tank Material Descr:

Piping Material Descr: **Galvanized Steel** 

AST: False Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: Not reported

Asphalt Coated or Bare Steel Tank Material Descr:

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5706826

Owner Name: PRESTON D LANDRUM Owner Address: 201 W MAIN STR Owner City, St, Zip: Pawhuska, OK 74056 Tank ID:

Tank Status: Permanently Out of Use

Not reported Installed Date: Tank Capacity: 4000 Product: Gasoline

Facility ID: 5706826

Owner Name: PRESTON D LANDRUM Owner Address: 201 W MAIN STR Pawhuska, OK 74056 Owner City, St, Zip:

Tank ID:

Permanently Out of Use Tank Status:

Installed Date: Not reported 4000 Tank Capacity: Product: Gasoline

Facility ID: 5706826

Owner Name: PRESTON D LANDRUM Owner Address: 201 W MAIN STR Pawhuska, OK 74056 Owner City, St, Zip:

Tank ID:

Tank Status: Permanently Out of Use

Installed Date: Not reported **EDR ID Number** 

U001885272

## MAP FINDINGS

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

#### PRESTON D LANDRUM (Continued)

U001885272

**EDR ID Number** 

Tank Capacity: 6000
Product: Gasoline

10 LOWRY'S CLOTHING STORE 127 W. MAIN PAWHUSKA, OK 74056 UST U001230874 HIST UST N/A

UST:

Facility ID: 5705964

Lat/Long (dms): 36 39 48.492000579833984 / 96 20 24 Lat/Long: 36.66346999999997 / -96.340000000000003

Contact Name: WACHTMAN SCHROEDER

Contact Address: PO BOX 1138
Contact City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use Tank Type: Private-Nonretail 4/23/1966

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Unknown AST: False Substance Description: Gasoline

Tank ID: 2

Tank Status: Permanently Out of Use Tank Type: Private-Nonretail 4/23/1966

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Unknown AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5705964

Owner Name: WACHTMAN SCHROEDER

Owner Address: PO BOX 1138 Owner City,St,Zip: Pawhuska, OK 74056

Tank ID: 1

Tank Status: Permanently Out of Use Installed Date: 4/23/1966 0:00:00

Tank Capacity: 1000 Product: Gasoline

Facility ID: 5705964

Owner Name: WACHTMAN SCHROEDER

Owner Address: PO BOX 1138 Owner City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use Installed Date: 4/23/1966 0:00:00

Tank Capacity: 2000 Product: Gasoline

## MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

11 PRUDOM ST & MAIN ST
238 E MAIN
PAWHUSKA, OK 74056

UST U001885235 AST N/A HIST UST

**EDR ID Number** 

UST:

Facility ID: 5701131

Lat/Long (dms): 36 39 45.7086181640625 / 96 20 10.14404296875 Lat/Long: 36.662696838378906 / -96.336151123046875

Contact Name: Formby Oil Company
Contact Address: P.O. Box 1420
Contact City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 3/25/1972

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: False Substance Description: Gasoline

Tank ID: 2

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 3/25/1972

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: False Substance Description: Gasoline

AST:

Tank ID: 3

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Install Date: 1/1/1996 Substance: Diesel Facility ID: 5701131

Lat/Long (dms): 36 39 45.7086181640625 / 96 20 10.14404296875 Lat/Long: 36.662696838378906 / -96.336151123046875

AST: True

Contact Name: Formby Oil Company
Contact Address: P.O. Box 1420
Contact City, St, Zip: Pawhuska, OK 74056
Tank Material Desc: Asphalt Coated or Bare Steel

Piping Material Desc: Bare Steel

HIST UST:

Facility ID: 5701131

Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID: 1

Tank Status: Currently in Use Installed Date: 3/25/1972 0:00:00

Tank Capacity: 6000 Product: Gasoline Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

PRUDOM ST & MAIN ST (Continued)

**EDR ID Number** 

U001885235

Facility ID: 5701131

Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID: 2

Tank Status: Currently in Use Installed Date: 3/25/1972 0:00:00

Tank Capacity: 4000 Product: Gasoline

11 FORMBY OIL CO. LUST \$103840288 238 E. MAIN N/A

PAWHUSKA, OK 74056

LUST:

Facility ID: 5701131 Atl Facility ID: 5701131

Status: Confirmed Release Closed

Status Date: 7/11/2000

Alt Event ID: 5701131\*064-1920

Lead ID: 353 Case Number: 064-1920

Lat/Long (dms): 36 39 45.70861816 / 96 20 10.144042968

Lat/Long: 36.66269683 / -96.33615112

Owner ID: 2286

Owner Name: Formby Oil Company

Facility ID: 5701131 Atl Facility ID: 5701131

Status: Confirmed Release Opened

Status Date: 5/5/1997

Alt Event ID: 5701131\*064-1920 Lead ID: 353

Case Number: 064-1920

Lat/Long (dms): 36 39 45.70861816 / 96 20 10.144042968

Lat/Long: 36.66269683 / -96.33615112

Owner ID: 2286

Owner Name: Formby Oil Company

Facility ID: 5701131 Atl Facility ID: 5701131

Status: Suspicion of Release Closed

Status Date: 5/5/1997

Alt Event ID: 5701131\*064-1920

Lead ID: 353 Case Number: 064-1920

Lat/Long (dms): 36 39 45.70861816 / 96 20 10.144042968

Lat/Long: 36.66269683 / -96.33615112

Owner ID: 2286

Owner Name: Formby Oil Company

Facility ID: 5701131 Atl Facility ID: 5701131

Status: Suspicion of Release Opened

Status Date: 4/25/1996

Alt Event ID: 5701131\*064-1920

Lead ID: 353 Case Number: 064-1920 Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number
Distance

FORMBY OIL CO. (Continued) S103840288

Database(s)

**EPA ID Number** 

Lat/Long (dms): 36 39 45.70861816 / 96 20 10.144042968

Lat/Long: 36.66269683 / -96.33615112

Owner ID: 2286

Owner Name: Formby Oil Company

11 AT&T TELEPHONE FACILITY - R64146 TIER 2 S109096644
221 E MAIN N/A

PAWHUSKA, OK 74056

OK TIER 2:

Facility ID: FATR20073SBCIDR64146

Facilty Country: USA All Chems. Same as Last Year: Not reported Date Tier 2 Signed: 2/1/2008 Dike/Other Safeguards Employed: Not reported Facility Department: Not reported Facility Date Modified: 7/8/2008 State Fees Total: Not reported State Mail Address Req: Not reported State Mail City Req: Not reported State Mail Country Req: Not reported

State Mail State Req: Not reported State Mail Zip Req: Not reported State Fire District Req: Not reported Facility Fire District: Not reported Mailing Address: Not reported Mailing City, St, Zip: Not reported Mailing Country: Not reported 36.663277 Latitude: Longitude: -96.338522 Lat/Long Location Description: Not reported Lat/Long Method: Not reported Number of Employees on Site: Not reported

Reporting Year: 2007
Site Coordinate Abbrvtions Submitted: Not reported
State 1Require Contact: Not reported
State 08 T Required: Not reported

Location: Inside Building

ID: 4813 Facility Type: SIC

Facility Desctription: TELEPHONE COM, EXCEPT RADIO

Facility Last Modified: 2/1/2008
ID: 108024050
Facility Type: Dun & Bradstreet
Facility Desctription: Not reported
Facility Last Modified: 2/1/2008
Contact Record ID: CTTR20073K6GEN005XCW

Contact Name: Senior Manager - EHS Lynn Ragsdale

Contact Email: Ir3251@att.com
Contact Mail Address: 898 Marie Lane
Contact Mail City,St,Zip: Conyers, GA 30094

Contact Mail Country: USA

Contact Type: Emergency Contact
Contact Type: Regulatory Point of Contact

Contact Modified Date: 8/22/2008

Contact Record ID: CTTR200741JJHW00999D

Contact Name: AT&T, Inc.
Contact Email: Not reported

Map ID Direction Distance Distance (ft.)Site

ection EDR ID Number

### AT&T TELEPHONE FACILITY - R64146 (Continued)

Database(s) EPA ID Number

S109096644

Contact Mail Address: 898 Marie Lane Contact Mail City,St,Zip: Conyers, GA 30094

Contact Mail Country: USA

Contact Type: Owner / Operator

Contact Modified Date: 8/22/2008

Acute Health Risks: True
Average Daily Amount: 591
Average Daily Amount Code: 2

Chemical Inventory Record ID: CVTR20073CSAIDR64146

Chemical Same As Last Year:
Chronic Heath Risks:
CAS Number:
EHS Substance:
TLast Modified:
State Max Daily Amt Required:
Total Not reported
Not reported
Not reported

Days on Site: 365

Chemical Name: Sulfuric Acid

Fire Hazard: True
Gas: Not reported

Liquid: True

Max Daily Amount: 591

Max Daily Amount Code: 2

Max Amount in Largest Container: Not reported

Mixture Form: True "Sudden Release of Preasue" Hazard: Not r

"Sudden Release of Preasue" Hazard: Not reported Pure Form: Not reported Reactive Hazard: Not reported Solid: Not reported State Contact Field: Not reported State Contact Comment: Not reported State EHS Comment: Not reported Not reported

State EHS Comment: Not reported State Label Code: OK2007 Max Daily Amount Required: Not reported State Mac Per Container Required: Not reported Not reported State Req Heading: Trade Secret: Not reported Mixture Chemical: Not reported Mixture Percentage: Not reported Mixture CAS: Not reported Mixture EHS: Not reported Mixture Last Modified: Not reported Amount of Substnce: Not reported Not reported **Amount Units:** 

Type of Storage: Not reported Number Code for Storage Pressure: Not reported Number Code for Storage Temperature: Not reported

Last Modified: Not reported

Notes: Not reported

Map ID Direction Distance Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

## 11 SOUTHWESTERN BELL TELEPHONE CO 221 E MAIN PAWHUSKA, OK 74056

UST U001885290 AST N/A HIST UST

UST:

Facility ID: 5709571

Lat/Long (dms): 36 39 47.7960205078125 / 96 20 12.2039794921875

Lat/Long: 36.663276672363281 / -96.336723327636719

Contact Name: Southwestern Bell Communications
Contact Address: 308 South Akard 3 Bell Plaza, Room 900

Contact City, St, Zip: Dallas, TX 75202

Tank ID:

Tank Status: Permanently Out of Use Tank Type: Private-Nonretail Not reported

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Other AST: False Substance Description: Kerosene

AST:

Tank ID: 2

Tank Status: Currently In Use
Tank Type: Private-Nonretail
Install Date: 1/1/1993
Substance: Diesel
Facility ID: 5709571

Lat/Long (dms): 36 39 47.7960205078125 / 96 20 12.2039794921875 Lat/Long: 36.663276672363281 / -96.336723327636719

AST: True

Contact Name: Southwestern Bell Communications
Contact Address: 308 South Akard 3 Bell Plaza, Room 900

Contact City, St, Zip: Dallas, TX 75202

Tank Material Desc: Asphalt Coated or Bare Steel

Piping Material Desc: Other

HIST UST:

Facility ID: 5709571

Owner Name: Southwestern Bell

Owner Address: 308 South Akard 3 Bell Plaza, Room 900

Owner City, St, Zip: Dallas, TX 75202

Tank ID: 1

Tank Status: Permanently Out of Use

Installed Date: Not reported Tank Capacity: 2000 Product: Kerosene

11 JERRY E. COLLINS 201 E MAIN PAWHUSKA, OK 74056 LUST U001230804 UST N/A

**HIST UST** 

LUST:

Facility ID: 5700316 Atl Facility ID: 5700316

Status: Confirmed Release Opened

**Status Date:** 11/14/1985 Alt Event ID: 5700316\*064-A7

Lead ID: 6

Distance (ft.)Site Database(s) EPA ID Number

**JERRY E. COLLINS (Continued)** 

Case Number: 064-A7

Lat/Long (dms): 36 39 47.37599945 / 96 20 16.440000534

Lat/Long: 36.66316 / -96.3379

Owner ID: 3273

Owner Name: JERRY E. COLLINS

UST:

Facility ID: 5700316

Lat/Long (dms): 36 39 47.375999450683594 / 96 20 16.440000534057617

Lat/Long: 36.663159999999998 / -96.337900000000005

Contact Name: JERRY E. COLLINS
Contact Address: 201 E. MAIN
Contact City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 9/26/1984

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Unknown AST: False Substance Description: Gasoline

Tank ID: 2

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 9/27/1974

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Unknown AST: False Substance Description: Gasoline

Tank ID: 3

Tank Status: Permanently Out of Use

Tank Type: Private-Retail
Date Installed: 9/27/1974
Tank Material Descr: Unknown
Piping Material Descr: Unknown
AST: False
Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 9/27/1974

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Unknown AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5700316

Owner Name: JERRY E. COLLINS

**EDR ID Number** 

U001230804

Distance (ft.)Site Database(s) EPA ID Number

**JERRY E. COLLINS (Continued)** 

U001230804

**EDR ID Number** 

Owner Address: 201 E. MAIN

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use Installed Date: 9/26/1984 0:00:00

Tank Capacity: 8000 Product: Gasoline

Facility ID: 5700316

Owner Name: JERRY E. COLLINS Owner Address: 201 E. MAIN

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID: 2

Tank Status: Permanently Out of Use Installed Date: 9/27/1974 0:00:00

Tank Capacity: 2000 Product: Gasoline

Facility ID: 5700316

Owner Name: JERRY E. COLLINS Owner Address: 201 E. MAIN

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use

Installed Date: 9/27/1974 0:00:00

Tank Capacity: 3000 Product: Gasoline

Facility ID: 5700316

Owner Name: JERRY E. COLLINS Owner Address: 201 E. MAIN

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use Installed Date: 9/27/1974 0:00:00

Tank Capacity: 3000 Product: Gasoline

FORMBY PHILLIPS 66 STATION 301 E MAIN PAWHUSKA, OK 74056 LUST U001885286 UST N/A HIST UST

LUST:

12

Facility ID: 5709222 Atl Facility ID: 5709222

Status: Suspicion of Release Closed

Status Date: 11/7/2001

Alt Event ID: 5709222\*064-2545

Lead ID: 353 Case Number: 064-2545

Lat/Long (dms): 36 39 46.87200164 / 96 20 9.9239997863

Lat/Long: 36.66302 / -96.33609

Owner ID: 809015836

Owner Name: RALSTON FARMERS FUEL & OIL INC

Facility ID: 5709222 Atl Facility ID: 5709222

Status: Confirmed Release Opened

Map ID Direction Distance Distance (ft.)Site

Virection EDR ID Number

Database(s) EPA ID Number

U001885286

### FORMBY PHILLIPS 66 STATION (Continued)

Status Date: 11/7/2001

Alt Event ID: 5709222\*064-2545

Lead ID: 353 Case Number: 064-2545

Lat/Long (dms): 36 39 46.87200164 / 96 20 9.9239997863

Lat/Long: 36.66302 / -96.33609

Owner ID: 809015836

Owner Name: RALSTON FARMERS FUEL & OIL INC

Facility ID: 5709222 Atl Facility ID: 5709222

Status: Suspicion of Release Opened

Status Date: 8/17/2001

Alt Event ID: 5709222\*064-2545

Lead ID: 353 Case Number: 064-2545

Lat/Long (dms): 36 39 46.87200164 / 96 20 9.9239997863

Lat/Long: 36.66302 / -96.33609

Owner ID: 809015836

Owner Name: RALSTON FARMERS FUEL & OIL INC

UST:

Facility ID: 5709222

Lat/Long (dms): 36 39 46.872001647949219 / 96 20 9.9239997863769531

Lat/Long: 36.663020000000003 / -96.336089999999999999 Contact Name: RALSTON FARMERS FUEL & OIL INC

Contact Address: PO BOX 298

Contact Address: PO BOX 298

Contact City, St, Zip: Cleveland, OK 74020

Tank ID: 1

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 5/5/1964

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

Tank ID: 2

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Date Installed: 5/5/1964

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Used Oil

Tank ID: 3

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 5/5/1964

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

## MAP FINDINGS

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## FORMBY PHILLIPS 66 STATION (Continued)

Tank ID:

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 5/5/1964

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5709222

Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Currently in Use Installed Date: 5/5/1964 0:00:00

Tank Capacity: 4000 Product: Gasoline

Facility ID: 5709222

Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID: 2

Tank Status: Temporarily Out of Use Installed Date: 5/5/1964 0:00:00

Tank Capacity: 550 Product: Used Oil

Facility ID: 5709222

Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID: 3

Tank Status: Currently in Use Installed Date: 5/5/1964 0:00:00

Tank Capacity: 6000 Product: Gasoline

Facility ID: 5709222

Owner Name: Formby Oil Company
Owner Address: P.O. Box 1420
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Currently in Use Installed Date: 5/5/1964 0:00:00

Tank Capacity: 4000 Product: Gasoline

TC02409359.1r Page 22 of 35

U001885286

**EDR ID Number** 

Distance (ft.)Site Database(s) EPA ID Number

13 TIMMONS TOTAL LUST \$102977534 429 EAST MAIN N/A

LUST:

PAWHUSKA, OK 74056

Facility ID: 5708247 Atl Facility ID: 5708247

Status: Confirmed Release Closed

**Status Date: 12/6/2000**Alt Event ID: 5708247\*064-2001

Lead ID: 353 Case Number: 064-2001

Lat/Long (dms): 36 39 46.15200042 / 96 20 3.2999999523

Lat/Long: 36.66282 / -96.33425

Owner ID: 809014704

Owner Name: BILLY JOE HENKEL

Facility ID: 5708247 Atl Facility ID: 5708247

Status: Confirmed Release Opened

**Status Date:** 12/22/1997 Alt Event ID: 5708247\*064-2001

Lead ID: 353 Case Number: 064-2001

Lat/Long (dms): 36 39 46.15200042 / 96 20 3.2999999523

Lat/Long: 36.66282 / -96.33425

Owner ID: 809014704

Owner Name: BILLY JOE HENKEL

40 HENRELO QUIOR GTOR

13 HENKELS QUICK STOP 429 E MAIN PAWHUSKA, OK 74056

UST:

Facility ID: 5708247

Lat/Long (dms): 36 39 46.152000427246094 / 96 20 3.2999999523162842

Lat/Long: 36.66282000000004 / -96.33424999999997

Contact Name: BILLY JOE HENKEL
Contact Address: PO BOX 1321
Contact City,St,Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 5/2/1971

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

Tank ID: 2

Tank Status: Currently In Use
Tank Type: Private-Retail
Date Installed: 5/2/1971

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr:

AST:

Substance Description:

Gardana

**EDR ID Number** 

U001230896

N/A

UST

**HIST UST** 

## MAP FINDINGS

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

## **HENKELS QUICK STOP (Continued)**

Tank ID:

Tank Status: Currently in Use
Tank Type: Private-Retail
Date Installed: 5/2/1971

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: False Substance Description: Diesel

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 5/1/1982

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Diesel

HIST UST:

Facility ID: 5708247

Owner Name: BILLY JOE HENKEL
Owner Address: PO BOX 1321
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID: 1

Tank Status: Currently in Use Installed Date: 5/2/1971 0:00:00

Tank Capacity: 8000 Product: Gasoline

Facility ID: 5708247

Owner Name: BILLY JOE HENKEL
Owner Address: PO BOX 1321

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Currently In Use Installed Date: 5/2/1971 0:00:00

Tank Capacity: 5000 Product: Gasoline

Facility ID: 5708247

Owner Name: BILLY JOE HENKEL
Owner Address: PO BOX 1321

Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Currently in Use Installed Date: 5/2/1971 0:00:00

Tank Capacity: 2500 Product: Diesel

Facility ID: 5708247

Owner Name: BILLY JOE HENKEL
Owner Address: PO BOX 1321
Owner City,St,Zip: Pawhuska, OK 74056

Tank ID: 4

Tank Status: Permanently Out of Use Installed Date: 5/1/1982 0:00:00

**EDR ID Number** 

U001230896

Map ID Direction Distance Distance (ft.)Site

**EDR ID Number** 

**HENKELS QUICK STOP (Continued)** 

**EPA ID Number** 

U001230896

Database(s)

Tank Capacity: 3000 Product: Diesel

**EZ MART STORE #626** 14 **521 E MAIN** PAWHUSKA, OK 74056 LUST S105807698 N/A

LUST:

Facility ID: 5703642 Atl Facility ID: 5703642

Status: **Confirmed Release Closed** 

Status Date: 1/28/2004

Alt Event ID: 5703642\*064-2712

Lead ID: 353 064-2712 Case Number: Lat/Long (dms): Not reported Lat/Long: Not reported

Owner ID: 1941

Owner Name: E-Z Mart Stores, Inc.

Facility ID: 5703642 Atl Facility ID: 5703642

Status: **Confirmed Release Opened** 

Status Date: 2/27/2003

Alt Event ID: 5703642\*064-2712

Lead ID: 353 Case Number: 064-2712 Lat/Long (dms): Not reported Lat/Long: Not reported

Owner ID: 1941

Owner Name: E-Z Mart Stores, Inc.

**EZ MART #626** 14 **521 E MAIN** PAWHUSKA, OK 74056

U001230853 UST **HIST UST** N/A

UST:

Facility ID: 5703642

Lat/Long (dms): 36 39 45.720001220703125 / 96 19 56.532001495361328

Lat/Long: 36.662700000000001 / -96.33236999999997

Contact Name: E-Z Mart Stores, Inc. Contact Address: P.O. Box 1426 Contact City, St, Zip: Texarkana, TX 75504

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail 3/1/1984 Date Installed:

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Galvanized Steel

False AST: Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

## MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## EZ MART #626 (Continued)

U001230853

**EDR ID Number** 

Tank Type: Private-Retail Date Installed: 3/1/1984

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Gasoline

Tank ID:

Tank Status: Permanently Out of Use

Tank Type: Private-Retail Date Installed: 3/1/1984

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Gasoline

HIST UST:

Facility ID: 5703642

Owner Name: E-Z Mart Stores, Inc.
Owner Address: P.O. Box 1426
Owner City,St,Zip: Texarkana, TX 75504

Tank ID:

Tank Status: Currently in Use Installed Date: 3/1/1984 0:00:00

Tank Capacity: 10152 Product: Gasoline

Facility ID: 5703642

Owner Name: E-Z Mart Stores, Inc.
Owner Address: P.O. Box 1426
Owner City,St,Zip: Texarkana, TX 75504

Tank ID: 1

Tank Status: Currently in Use Installed Date: 3/1/1984 0:00:00

Tank Capacity: 10152 Product: Gasoline

Facility ID: 5703642

Owner Name: E-Z Mart Stores, Inc.
Owner Address: P.O. Box 1426
Owner City,St,Zip: Texarkana, TX 75504

Tank ID:

Tank Status: Currently in Use Installed Date: 3/1/1984 0:00:00

Tank Capacity: 10152 Product: Gasoline

Distance (ft.)Site Database(s) **EPA ID Number** 

#### 15 **GETTY BULK PLANT 5TH & LEAHY** PAWHUSKA, OK 74056

UST U001230821 **HIST UST** N/A

**EDR ID Number** 

UST:

Facility ID: 5701142

36 39 42.490001678466797 / 96 20 15.710000038146973 Lat/Long (dms):

Lat/Long: 36.661802778579293 / -96.337697222207979

Contact Name: Formby Oil Company Contact Address: P.O. Box 1420 Contact City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Permanently Out of Use Tank Type: Private-Nonretail Date Installed: 3/26/1976

Tank Material Descr: Asphalt Coated or Bare Steel

Piping Material Descr: Galvanized Steel

AST: False Substance Description: Other

HIST UST:

5701142 Facility ID:

Formby Oil Company Owner Name: Owner Address: P.O. Box 1420 Owner City, St, Zip: Pawhuska, OK 74056

Tank ID:

Tank Status: Temporarily Out of Use 3/26/1976 0:00:00 Installed Date:

Tank Capacity: 4000 Product: Other

#### 16 **FORMBY OIL PAWHUSKA 400 PRUDOM RD** PAWHUSKA, OK 74056

TIER 2 S109105331 N/A

OK TIER 2:

Facilty Country:

Facility ID: FATR20074Z248S00QMRT

USA

All Chems. Same as Last Year: Т 1/9/2008 Date Tier 2 Signed: Dike/Other Safeguards Employed: Not reported Facility Department: Pawhuska Facility Date Modified: 7/8/2008 State Fees Total: Not reported State Mail Address Req: Not reported State Mail City Req: Not reported State Mail Country Req: Not reported State Mail State Req: Not reported State Mail Zip Req: Not reported State Fire District Reg: Not reported Facility Fire District: Pawhuska Mailing Address: P.O. Box 298

Mailing City, St, Zip: Cleveland, OK 74020

Mailing Country: USA 36.663532 Latitude: Longitude: -96.335625 Lat/Long Location Description: ST - Storage Tank Lat/Long Method: G2 - GPS (Kinematic)

Distance (ft.)Site Database(s) **EPA ID Number** 

## FORMBY OIL PAWHUSKA (Continued)

S109105331

**EDR ID Number** 

Number of Employees on Site: 4 2007 Reporting Year: Site Coordinate Abbrytions Submitted: Not reported Not reported State 1Require Contact: State 08 T Required: Not reported

Two 10,000 gallon tanks; one 15,000 gallon tank; one 3,000 gallon tank11,800; Location:

11,049; 11,029, and two 1,000 gallon tanksTwo 3,000 gallon tanks; one 8,000

gallon tank, one 3,000 gallon tank

5171 ID: Facility Type: SIC

PETROLEUM BULK STATIONS & TERM Facility Desctription:

Facility Last Modified: 2/27/2007 ID: Not reported Facility Type: **Dun & Bradstreet** Facility Desctription: Not reported Facility Last Modified: 2/27/2007 CTTR20073WAFP90B2TXU Contact Record ID: Contact Name: Owner Michael Southward

Contact Email: Not reported PO Box 298 Contact Mail Address:

Contact Mail City, St, Zip: Cleveland, OK 74020

Contact Mail Country: USA

Owner / Operator Contact Type: Contact Type: **Emergency Contact** 

Contact Modified Date: 8/29/2008

Contact Record ID: CTTR20073WAFQJ0B6WTH Contact Name: Manager Wayne Dilbeck

Contact Email: Not reported Contact Mail Address: Not reported Contact Mail City, St, Zip: Not reported Contact Mail Country: USA

Contact Type:

**Emergency Contact** 

Contact Modified Date: 2/21/2008

Contact Record ID: CTTR20074Z24SK0120VN Contact Name: Manager Bob Carnagey Not reported Contact Email:

Contact Mail Address: P.O. Box 1420 Contact Mail City, St, Zip: Pawhuska, OK 74056 Contact Mail Country: USA

Contact Type: Not reported Contact Modified Date: 2/27/2007

CTTR20073WEQKA052J4T Contact Record ID: Contact Name: Manager Nicholas Heinig nickheinig@gmail.com Contact Email: 13679 South Poplar Place Contact Mail Address: Contact Mail City, St, Zip: Glenpool, OK 74033

Contact Mail Country: USA

Contact Type: **Emergency Contact** Contact Type: Owner / Operator Contact Modified Date: 2/21/2008

Acute Health Risks: True Average Daily Amount: Not reported

Average Daily Amount Code:

Chemical Inventory Record ID: CVTR20074Z248T00WMU3

Not reported Chemical Same As Last Year: Chronic Heath Risks: True CAS Number: 68476-34-6

Distance (ft.)Site Database(s) **EPA ID Number** 

### FORMBY OIL PAWHUSKA (Continued)

S109105331

**EDR ID Number** 

EHS Substance: Not reported Last Modified: 2/21/2008 State Max Daily Amt Required: Not reported Not reported State Unit Required: Days on Site: 365

DIESEL FUEL Chemical Name:

Fire Hazard: True Gas: Not reported Liquid: True Max Daily Amount: 200000 Max Daily Amount Code: 5 120000 Max Amount in Largest Container: Mixture Form: Not reported "Sudden Release of Preasue" Hazard: Not reported Pure Form: True Reactive Hazard: Not reported Solid: Not reported State Contact Field: Not reported State Contact Comment: Not reported State EHS Comment: Not reported OK2007 State Label Code: Max Daily Amount Required: Not reported State Mac Per Container Required: Not reported State Req Heading: Not reported Trade Secret: Not reported Mixture Chemical: Not reported Mixture Percentage: Not reported Mixture CAS: Not reported Mixture EHS: Not reported Not reported Mixture Last Modified: Amount of Substnce: Not reported **Amount Units:** Not reported Not reported Type of Storage:

Number Code for Storage Temperature: Not reported Last Modified: Not reported Acute Health Risks: True Average Daily Amount: Not reported

Average Daily Amount Code:

Number Code for Storage Pressure:

CVTR20074Z248T00YMWD Chemical Inventory Record ID:

Not reported

Chemical Same As Last Year: Not reported Chronic Heath Risks: True CAS Number: 8006-61-9 EHS Substance: Not reported 2/21/2008 Last Modified: State Max Daily Amt Required: Not reported State Unit Required: Not reported Days on Site: 365 Chemical Name: **GASOLINE** Fire Hazard: True Gas: Not reported Liquid: True 130000 Max Daily Amount: Max Daily Amount Code:

Max Amount in Largest Container: Not reported Mixture Form: Not reported "Sudden Release of Preasue" Hazard: Not reported Map ID Direction Distance Distance (ft.)Site

Distance
Distance (ft.)Site
Database(s) EPA ID Number

## FORMBY OIL PAWHUSKA (Continued)

S109105331

**EDR ID Number** 

Pure Form: True Reactive Hazard: Not reported Not reported Solid: State Contact Field: Not reported State Contact Comment: Not reported Not reported State EHS Comment: OK2007 State Label Code: Max Daily Amount Required: Not reported State Mac Per Container Required: Not reported State Req Heading: Not reported Not reported Trade Secret: Mixture Chemical: Not reported Mixture Percentage: Not reported Mixture CAS: Not reported Mixture EHS: Not reported Mixture Last Modified: Not reported Not reported Amount of Substnce: **Amount Units:** Not reported Type of Storage: Not reported Number Code for Storage Pressure: Not reported Number Code for Storage Temperature: Not reported Last Modified: Not reported Acute Health Risks: True Average Daily Amount: Not reported

Average Daily Amount Code:

Chemical Inventory Record ID: CVTR20074Z248T010MY8

Not reported Chemical Same As Last Year: Chronic Heath Risks: True 74-98-6 CAS Number: Not reported EHS Substance: 2/21/2008 Last Modified: State Max Daily Amt Required: Not reported State Unit Required: Not reported Days on Site: 365 **PROPANE** Chemical Name: Fire Hazard: True Gas: True Liquid: True Max Daily Amount: Not reported Max Daily Amount Code: 5

Max Amount in Largest Container: 48000
Mixture Form: Not reported
"Sudden Release of Preasue" Hazard: True

"Sudden Release of Preasue" Hazard: True Pure Form: True

Reactive Hazard: Not reported Solid: Not reported State Contact Field: Not reported State Contact Comment: Not reported State EHS Comment: Not reported OK2007 State Label Code: Max Daily Amount Required: Not reported State Mac Per Container Required: Not reported State Req Heading: Not reported Trade Secret: Not reported Mixture Chemical: Not reported Mixture Percentage: Not reported Mixture CAS: Not reported

pirection EDR ID Number

Distance (ft.)Site Database(s) EPA ID Number

### FORMBY OIL PAWHUSKA (Continued)

S109105331

Mixture EHS:

Mixture Last Modified:

Amount of Substnce:

Amount Units:

Type of Storage:

Not reported

Notes: Not reported

16 FORMBY OIL AST A100287636 400 PRUDOM N/A

PAWHUSKA, OK 74056

AST:

Tank ID: 3

Tank Status: Currently In Use
Tank Type: Private-Retail
Install Date: 10/1/1940
Substance: Gasoline
Facility ID: 5720543

Lat/Long (dms): 36 39 42.78350830078125 / 96 20 10.6109619140625

Lat/Long: 36.661884307861328 / -96.336280822753906

AST: True

Contact Name: RALSTON FARMERS FUEL & OIL INC

Contact Address: PO BOX 298
Contact City,St,Zip: Cleveland, OK 74020
Tank Material Desc: Single Wall Steel
Piping Material Desc: Bare Steel

Tank ID:

Tank Status: Currently In Use
Tank Type: Private-Retail
Install Date: 10/1/1940
Substance: Other
Facility ID: 5720543

Lat/Long (dms): 36 39 42.78350830078125 / 96 20 10.6109619140625

Lat/Long: 36.661884307861328 / -96.336280822753906

AST: True

Contact Name: RALSTON FARMERS FUEL & OIL INC

Contact Address: PO BOX 298
Contact City, St, Zip: Cleveland, OK 74020
Tank Material Desc: Single Wall Steel
Piping Material Desc: Bare Steel

Tank ID: 2

Tank Status: Currently In Use
Tank Type: Private-Retail
Install Date: 10/1/1940
Substance: Gasoline
Facility ID: 5720543

Lat/Long (dms): 36 39 42.78350830078125 / 96 20 10.6109619140625

Lat/Long: 36.661884307861328 / -96.336280822753906

AST: True

Contact Name: RALSTON FARMERS FUEL & OIL INC

Contact Address: PO BOX 298
Contact City,St,Zip: Cleveland, OK 74020
Tank Material Desc: Single Wall Steel

## MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

FORMBY OIL (Continued)

A100287636

**EDR ID Number** 

Piping Material Desc: Bare Steel

Tank ID:

Tank Status: Currently In Use
Tank Type: Private-Retail
Install Date: 1/1/1950
Substance: Gasoline
Facility ID: 5720543

Lat/Long (dms): 36 39 42.78350830078125 / 96 20 10.6109619140625

Lat/Long: 36.661884307861328 / -96.336280822753906

AST: True

Contact Name: RALSTON FARMERS FUEL & OIL INC

Contact Address: PO BOX 298
Contact City,St,Zip: Cleveland, OK 74020
Tank Material Desc: Single Wall Steel
Piping Material Desc: Bare Steel

## 16 DILLARD OIL CO. PO BOX 92 HWY 8 CLEO SPRINGS, OK 73729

UST U001228212 AST N/A

**HIST UST** 

UST:

Facility ID: 4702032

Lat/Long (dms): 36 24 24.05181884765625 / 98 26 27.908935546875 Lat/Long: 36.406681060791016 / -98.441085815429688

Contact Name: DILLARD OIL CO.
Contact Address: BOX 92 HIGHWAY 8
Contact City,St,Zip: Cleo Springs, OK 73729

Tank ID:

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Date Installed: 4/2/1985

Tank Material Descr: Composite (Steel w/ FRP)

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

Tank ID: 2

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Date Installed: 4/2/1980

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

Tank ID: 3

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Date Installed: 4/2/1985

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: False Substance Description: Gasoline

Distance (ft.)Site Database(s) EPA ID Number

## **DILLARD OIL CO. (Continued)**

U001228212

**EDR ID Number** 

Tank ID: 4

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Date Installed: 4/2/1985

Tank Material Descr: Cathodically Protected Steel

Piping Material Descr: Bare Steel AST: Balse Substance Description: Gasoline

AST:

Tank ID: 5

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Install Date: Not reported Substance: Diesel Facility ID: 4702032

Lat/Long (dms): 36 24 24.05181884765625 / 98 26 27.908935546875 Lat/Long: 36.406681060791016 / -98.441085815429688

AST: True

Contact Name: DILLARD OIL CO.
Contact Address: BOX 92 HIGHWAY 8
Contact City,St,Zip: Cleo Springs, OK 73729
Tank Material Desc: Asphalt Coated or Bare Steel

Piping Material Desc: Bare Steel

Tank ID: 6

Tank Status: Temporarily Out of Use

Tank Type: Private-Retail Install Date: Not reported Substance: Diesel Facility ID: 4702032

Lat/Long (dms): 36 24 24.05181884765625 / 98 26 27.908935546875 Lat/Long: 36.406681060791016 / -98.441085815429688

AST: True

Contact Name: DILLARD OIL CO.
Contact Address: BOX 92 HIGHWAY 8
Contact City, St, Zip: Cleo Springs, OK 73729
Tank Material Desc: Asphalt Coated or Bare Steel

Piping Material Desc: Bare Steel

HIST UST:

Facility ID: 4702032

Owner Name: DILLARD OIL CO.
Owner Address: BOX 92, HIGHWAY 8
Owner City,St,Zip: Cleo Springs, OK 73729

Tank ID:

Tank Status: Currently in Use Installed Date: 4/2/1985 0:00:00

Tank Capacity: 4000 Product: Gasoline

Facility ID: 4702032

Owner Name: DILLARD OIL CO.
Owner Address: BOX 92, HIGHWAY 8
Owner City, St, Zip: Cleo Springs, OK 73729

Tank ID: 2

Distance (ft.)Site Database(s) EPA ID Number

**DILLARD OIL CO. (Continued)** 

**EDR ID Number** 

U001228212

Tank Status: Currently in Use Installed Date: 4/2/1980 0:00:00

Tank Capacity: 2000 Product: Gasoline

Facility ID: 4702032

Owner Name: DILLARD OIL CO.
Owner Address: BOX 92, HIGHWAY 8
Owner City,St,Zip: Cleo Springs, OK 73729

Tank ID:

Tank Status: Currently in Use Installed Date: 4/2/1985 0:00:00

Tank Capacity: 3000 Product: Gasoline

Facility ID: 4702032

Owner Name: DILLARD OIL CO.
Owner Address: BOX 92, HIGHWAY 8
Owner City,St,Zip: Cleo Springs, OK 73729

Tank ID: 4

Tank Status: Currently in Use Installed Date: 4/2/1985 0:00:00

Tank Capacity: 3000 Product: Gasoline

17 DECKARD'S WELDING & MACHINE 320 GIRARD AVE PAWHUSKA, OK

CERCLIS:

Site ID: 0606758

Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Status Not Specified

Site Description: Site is an inactive welding and machine shop consisting of one abandoned

building, cars, trailers, equipment, trash piles, and debris throughout the

site.

**CERCLIS Assessment History:** 

Action: PRE-CERCLIS SCREENING

Date Started: Not reported
Date Completed: 02/20/2007
Priority Level: Not reported

17 DECKARD'S WELDING & MACHINE 320 GIRARD AVE PAWHUSKA, OK 74056 FINDS 1010014588 110028288047

**CERCLIS** 

1010082319

OKN000606758

FINDS:

Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites,

## MAP FINDINGS

Map ID Direction Distance Distance (ft.)Site

EDR ID Number

Database(s)

**EPA ID Number** 

## **DECKARD'S WELDING & MACHINE (Continued)**

1010014588

including an inventory of sites, planned and actual site activities, and financial information.

### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HERD	U003799798	AT&T HERD R OKLAHOMA	3 MILES SOUTH OF JUNCTION OF HWY 10 / 99	74056	HIST UST
HERD	U003998045	AT&T HERD "R" OKLAHOMA	3 MILES SOUTH OF JUNCTION OF HWY 10 & 99 AND WEST	74056	UST
OSAGE COUNTY	S106496865	VICTORY LANDFILL	S21 / 22 T25N R12E		SWF/LF
OSAGE COUNTY	S106496869	TOWN OF BURBANK DISPOSAL SITE	SW CORNER OF BLOCK 5 IN LEBERT ADDITION		SWF/LF
OSAGE COUNTY		TOWN OF FORAKER DISPOSAL SITE	LOTS 1 - 12, BLOCK 41		SWF/LF
OSAGE COUNTY	S107030626	SHIDLER CITY DUMP	LOTS 6 - 12 OF SOUTHSIDE PLAT (CORNER OF BARBER ST		SWF/LF
OSAGE COUNTY	S106496866	TOWN OF FAIRFAX DISPOSAL SITE	NE/4 NE/4 OF S7 T24N R6E		SWF/LF
OSAGE COUNTY	S106496850	SHELL CREEK LANDFILL	NW/4 NW/4 SE/4 / W/2 SW/4 NE/4 OF S36 T20N R10E		SWF/LF
OSAGE COUNTY	S106496854	RICHARD TEEMAN LANDFILL	NE/4 NW/4 OF S7 T23N R6E		SWF/LF
OSAGE COUNTY	S106496861	CITY OF HOMINY LANDFILL	S/2 NW/4 OF S5 T22N R9E (1.6 MI E OF CENTER OF CIT		SWF/LF
OSAGE COUNTY	S106496862	JOHN ZINC COMPANY	E/2 NW/4 OF S27 T22N R12E		SWF/LF
OSAGE COUNTY	S106496868	CITY OF HOMINY DISPOSAL SITE	SE/4 NW/4 OF S6 T22N R9E (1 MI E OF TOWN)		SWF/LF
OSAGE COUNTY	S106496871	TOWN OF AVANT DISPOSAL SITE	SE/4 NW/4 OF S7 T23N R12E		SWF/LF
OSAGE COUNTY	S106496853	CITY OF PONCA CITY LANDFILL	SW/4 OF S3 T25N R3E		SWF/LF
OSAGE COUNTY	S106496856	ABC LANDFILL	NE/4 OF S6 T24N R10E (HWY 11 / PERSHING)		SWF/LF
OSAGE COUNTY	S106496858	CITY OF BARTLESVILLE LANDFILL	NE/4 OF S21 T26N R12E		SWF/LF
OSAGE COUNTY	S106496851	CITY OF PAWHUSKA LANDFILL	SE/4 SE/4 OF S30 T26N R9E (2 MI W, 1.5 MI N OF PAW		SWF/LF
OSAGE COUNTY	S106496873	C R HORINE DISPOSAL SITE	SW/4 SE/4 OF S34 T21N R9E		SWF/LF
OSAGE COUNTY	S106496852	C R HORINE LANDFILL	SW/4 SW/4 SE/4 OF S34 T21N R9E		SWF/LF
OSAGE COUNTY	S106496857	CITY OF FAIRFAX LANDFILL	E/2 SW/4 NW/4 / N/2 NW/4 SW/4 NW/4 OF S12 T24N R		SWF/LF
OSAGE COUNTY	S106496859	CITY OF FAIRFAX LANDFILL	E/2 SW/4 NW/4 OF S12 T24N R5E		SWF/LF
OSAGE COUNTY	S106496872	TOWN OF WYNONA DISPOSAL SITE	SE/4 SW/4 OF S14 T24N R9E		SWF/LF
OSAGE COUNTY	S107030627	CITY OF WEBB CITY DISPOSAL SITE	S18 T27N R5E		SWF/LF
OSAGE COUNTY	S106496870	TOWN OF GRAINOLA DISPOSAL SITE	WITHIN THE CITY LIMITS OF GRAINOLA		SWF/LF
PAWHUSKA	1011591633	JOHN M. CONLEY D/B/A CONLEY OIL CO	RT 1 BOX 152-F	74056	ICIS
PAWHUSKA	U001230927	OSAGE CO MAINTENANCE HDG	RT 1 BOX 121 1 M W OF PAWHUSKA ON US 60 W	74056	UST, HIST UST
PAWHUSKA	A100287635	PAWHUSKA LIGHT & WATER PLANT	701 W 10TH	74056	AST
PAWHUSKA	1011593313	MR. RONNIE SWINDELL	ROUTE 2, BOX 92	74056	ICIS
PAWHUSKA	U001885268	FORMER-MILLER BRUS SERVICE ST	21ST STR & OLD HWY 99	74056	UST, HIST UST
PAWHUSKA	1000413876	BJ TITAN SVCS	HWY 90 N & NELAGONEY ROAD	74056	FINDS, RCRA-NonGen
PAWHUSKA	U001885250	PAWHUSKA STOP BUY	HWY 99 & NELAGONEY ROAD	74056	UST, HIST UST
PAWHUSKA	S109105332	FORMBY PROPANE PAWHUSKA	HWY 99 AND HWY 60 INT	74056	TIER 2
PAWHUSKA	1001029652	LAMAMCO DRILLING	HIGHWAY 99 SOUTH	74056	FINDS, RCRA-NonGen
PAWHUSKA	1011602378	LAMAMCO DRILLING	HIGHWAY 99 SOUTH	74056	
PAWHUSKA	1011605560	LAMAMCO DRILLING CO	HIGHWAY 99 SOUTH	74056	ICIS
PAWHUSKA	U001885248	H & H OIL WELL SERVICE, INC	HWY 99 SOUTH OF CITY	74056	UST, HIST UST
PAWHUSKA	1007469500	CITY OF PAWHUSKA MUNICIPAL LANDFILL	PO BOX 539		FINDS
PAWHUSKA	1008396886	PAWHUSKA ELKS CLUB WWT	PO BOX 1088	74056	FINDS
PAWHUSKA	1005499185	CITY OF PAWHUSKA	P.O. BOX 539	74056	FINDS
PAWHUSKA	1000413883	BJ TITAN SVCS	N HWY 99	74056	FINDS, RCRA-NonGen
PAWHUSKA	S107816760	CHAPARRAL ENERGYCHAPARRAL ENERGY, LLC - PAWHUSKA	HYWAY 99 SOUTH	74056	TIER 2
PAWHUSKA	U003998047	PAWHUSKA AUTO SALVAGE	218 S LYNN	74056	UST

### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PAWHUSKA	U001885253	CITY OF PAWHUSKA	406 SO LYNN AVE	74056	UST, AST, HIST UST
PAWHUSKA	1004578950	PAWHUSKA PUBLIC SCHOOLS	1505 N LYNN	74056	FINDS, FTTS, HIST FTTS
PAWHUSKA	S107841559	TRI-AM ACID & FRACTURING SERVICE	203 S. LYNN AVE.	74056	TIER 2
PAWHUSKA	S108287950	BASIC ENERGY SERVICESPAWHUSKA	390 LYNN ROAD	74056	TIER 2
PAWHUSKA	U001230832	TEXACO MASTER STATION	MAIN & LYNN STREETS	74056	UST, HIST UST
PAWHUSKA	U001230916	RON FINA	700 W MAIN	74056	UST, HIST UST
PAWHUSKA	U003795809	KUM & GO #860	2101 E MAIN	74056	UST, HIST UST
PAWHUSKA	S108289319	OSAGE WEST BOOSTER STA	8 MILES W OFF HWY 11/60	74056	AIRS
PAWHUSKA	99625931	24 MI NORTH PAWHUSKA,SECTION 22, RANGE 10,TOWNSHIP 38	24 MI NORTH PAWHUSKA,SECTION 22, RANGE 10,TOWNSHIP 38		ERNS
PAWHUSKA	1010569648	GREEN COUNTRY SUPPLY, INC.	876 OLD HWY 99	74056	SSTS
PAWHUSKA	S108504096	GREEN COUNTRY CHEMICAL	876 OLD HWY 99	74056	TIER 2
PAWHUSKA	S108871187	GREEN COUNTRY CHEMICAL	876 OLD HWY 99	74056	TIER 2
PAWHUSKA	S109109681	RDT PROPERTIESLEONARD I	SW SE SECTION 16; T28N; R09E	74056	TIER 2
PAWHUSKA	S109098094	CHAPARRAL ENERGYBIGHEART TANK BATTERY	NW/4 SEC 29-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098366	CHAPARRAL ENERGYHOT LINK TANK BATTERY	W/2 SEC 8-T27N-R09E (NORTH OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S107839683	SHORT OIL PAWHUSKA CITY LAKE	SECTION 6-T26N-R8E	74056	TIER 2
PAWHUSKA	S109098182	CHAPARRAL ENERGYDRUMMOND C TANK BATTER	SW/4 SECTION 7-T25N-R08E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098185	CHAPARRAL ENERGYDUFFY TANK BATTERY	SE/4 SECTION 22-T27N-R10E (NORTHEAST OF PAWHUSKA,	74056	TIER 2
PAWHUSKA	S109098264	CHAPARRAL ENERGYFORD TANK BATTERY	SE/4 SECTION 18-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098556	CHAPARRAL ENERGYNORTH STROHM TANK BATTERY	NE/4 SECTION 9-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098559	CHAPARRAL ENERGYNORTHWEST DRUMMOND TABATTERY	NE/4 SECTION 12-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098570	CHAPARRAL ENERGYOSAGE A - FORD TANK BATTERY	NE/4 SECTION 18-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098604	CHAPARRAL ENERGYPHILLIPS TANK BATTERY	SE/4 SECTION 36-T26N-R09E ( EAST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098629	CHAPARRAL ENERGYSSKW BURBANK AND CHAT TANK BATTE	SW/4 SECTION 7-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098651	CHAPARRAL ENERGYPOTTER A TANK BATTERY	SE/4 SECTION 25-T29N-R10E (NORTH OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098697	CHAPARRAL ENERGYRICK-LABADIE TANK BATTERY	S/2 SECTION 27-T27N-R10E (NORTHEAST OF PAWHUSKA, O	74056	TIER 2
PAWHUSKA	S109098705	CHAPARRAL ENERGYROBINOWITZ TANK BATTERY	NW/4 SECTION 31-T26N-R10E (EAST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S109098874	CHAPARRAL ENERGYWEST DRUMMOND TANK BATTERY	SE/4 SECTION 12-T25N-R07E (WEST OF PAWHUSKA, OK)	74056	TIER 2
PAWHUSKA	S108287912	GREEN COUNTRY SUPPLY, INC.	25489 STATE HIGHWAY 99	74056	TIER 2
PAWHUSKA	S108871188	GREEN COUNTRY SUPPLY, INC.	25489 STATE HIGHWAY 99	74056	TIER 2
PAWHUSKA	S108288358	ROCK PLT 4 PAWHUSKA	4 MI W OF PAWHUSKA	74056	AIRS
PAWHUSKA	1004578349	BELLCO MATL INC/ROCK PLT 4 PAWHUSKA	4 MI W OF PAWHUSKA	74056	FINDS

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL RECORDS**

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2008 Source:
Date Data Arrived at EDR: 10/10/2008 Telepho

Date Made Active in Reports: 11/19/2008

Number of Days to Update: 40

Source: EPA Telephone: N/A

Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2008 Source: EPA
Date Data Arrived at EDR: 10/10/2008 Telephone: N/A

Date Made Active in Reports: 11/19/2008 Last EDR Contact: 01/26/2009

Number of Days to Update: 40 Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the

NPL where no further response is appropriate.

Date of Government Version: 09/29/2008 Source: EPA
Date Data Arrived at EDR: 10/10/2008 Telephone: N/A

Date Made Active in Reports: 11/19/2008 Last EDR Contact: 01/26/2009

Number of Days to Update: 40 Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: No Update Planned

#### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/07/2008 Date Data Arrived at EDR: 10/16/2008 Date Made Active in Reports: 12/08/2008

Number of Days to Update: 53

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 01/16/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: Quarterly

#### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007 Date Data Arrived at EDR: 12/06/2007 Date Made Active in Reports: 02/20/2008

Number of Days to Update: 76

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 03/16/2009 Data Release Frequency: Quarterly

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/19/2008 Date Data Arrived at EDR: 08/29/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/01/2008

Next Scheduled EDR Contact: 03/02/2009 Data Release Frequency: Quarterly

#### RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 214-665-6444 Last EDR Contact: 01/23/2009

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

### RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 214-665-6444 Last EDR Contact: 01/23/2009

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 214-665-6444 Last EDR Contact: 01/23/2009

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 214-665-6444 Last EDR Contact: 01/23/2009

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 214-665-6444 Last EDR Contact: 01/23/2009

Next Scheduled EDR Contact: 02/16/2009

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/06/2008 Date Data Arrived at EDR: 10/17/2008 Date Made Active in Reports: 12/08/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/06/2008 Date Data Arrived at EDR: 10/17/2008 Date Made Active in Reports: 12/08/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Varies

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 01/23/2008 Date Made Active in Reports: 03/17/2008

Number of Days to Update: 54

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 01/23/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Annually

#### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2008 Date Data Arrived at EDR: 10/16/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 34

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 01/13/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: Annually

## DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008 Date Data Arrived at EDR: 05/28/2008 Date Made Active in Reports: 08/08/2008

Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 11/26/2008

Next Scheduled EDR Contact: 02/23/2009 Data Release Frequency: Varies

#### CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 10/31/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 53

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 10/31/2008

Next Scheduled EDR Contact: 03/23/2009 Data Release Frequency: Quarterly

### US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008 Date Data Arrived at EDR: 11/14/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 01/16/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: Semi-Annually

## DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 703-692-8801 Last EDR Contact: 11/07/2008

Next Scheduled EDR Contact: 02/02/2009 Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/05/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 18

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Varies

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 12/08/2008

Next Scheduled EDR Contact: 03/09/2009 Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/15/2008 Date Data Arrived at EDR: 10/22/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 10/21/2008 Date Data Arrived at EDR: 10/29/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 55

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/16/2009 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008 Date Data Arrived at EDR: 04/17/2008 Date Made Active in Reports: 05/15/2008

Number of Days to Update: 28

Source: EPA, Region 9 Telephone: 415-972-3336 Last EDR Contact: 12/22/2008

Next Scheduled EDR Contact: 03/23/2009 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008 Date Data Arrived at EDR: 09/23/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/23/2008

Next Scheduled EDR Contact: 03/23/2009 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 09/19/2008

Next Scheduled EDR Contact: 12/15/2008 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 01/12/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/08/2008 Date Data Arrived at EDR: 10/17/2008 Date Made Active in Reports: 12/08/2008

Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 12/15/2008

Next Scheduled EDR Contact: 03/16/2009 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 10/08/2008 Date Data Arrived at EDR: 10/17/2008 Date Made Active in Reports: 12/08/2008

Number of Days to Update: 52

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 12/15/2008

Next Scheduled EDR Contact: 03/16/2009 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 35

Source: EPA Telephone: 202-564-4203

Last EDR Contact: 12/04/2008

Next Scheduled EDR Contact: 01/12/2009 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008 Date Data Arrived at EDR: 08/13/2008 Date Made Active in Reports: 09/09/2008

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 01/12/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007 Date Data Arrived at EDR: 02/07/2008 Date Made Active in Reports: 03/17/2008

Number of Days to Update: 39

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 09/18/2008

Next Scheduled EDR Contact: 11/03/2008 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/03/2008 Date Data Arrived at EDR: 10/15/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 35

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/28/2008 Date Data Arrived at EDR: 10/29/2008 Date Made Active in Reports: 12/08/2008

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/29/2008

Next Scheduled EDR Contact: 01/26/2009 Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/30/2008 Date Data Arrived at EDR: 10/31/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 53

Source: EPA Telephone: (214) 665-2200 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### **BRS: Biennial Reporting System**

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 03/06/2007 Date Made Active in Reports: 04/13/2007

Number of Days to Update: 38

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 12/09/2008

Next Scheduled EDR Contact: 03/09/2009 Data Release Frequency: Biennially

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/10/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 12/08/2008

Next Scheduled EDR Contact: 02/09/2009 Data Release Frequency: Varies

### STATE AND LOCAL RECORDS

SHWS: Voluntary Cleanup & Superfund Site Status Report
Land restoration projects carried out in several DEQ programs.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 04/29/2008 Date Made Active in Reports: 05/30/2008

Number of Days to Update: 31

Source: Department of Environmental Quality

Telephone: 405-702-5100 Last EDR Contact: 12/09/2008

Next Scheduled EDR Contact: 03/09/2009

#### SWF/LF: Permitted Solid Waste Disposal & Processing Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/16/2008 Date Data Arrived at EDR: 08/29/2008 Date Made Active in Reports: 09/15/2008

Number of Days to Update: 17

Source: Department of Environmental Quality

Telephone: 405-702-5184 Last EDR Contact: 11/24/2008

Next Scheduled EDR Contact: 02/23/2009 Data Release Frequency: Semi-Annually

### LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 11/03/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 16

Source: Oklahoma Corporation Commission

Telephone: 405-521-3107 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Varies

#### UST: Underground Storage Tank Listing

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/07/2008 Date Data Arrived at EDR: 05/08/2008 Date Made Active in Reports: 05/30/2008

Number of Days to Update: 22

Source: Oklahoma Corporation Commission

Telephone: 405-521-3107 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Varies

#### HIST UST: Underground Storage Tank List, List II Version

This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

Date of Government Version: 03/21/2003 Date Data Arrived at EDR: 04/28/2003 Date Made Active in Reports: 05/27/2003

Number of Days to Update: 29

Source: Oklahoma Corporation Commission

Telephone: 405-521-3107 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: No Update Planned

### LAST: Leaking Aboveground Storage Tanks List Leaking aboveground storage tank site locations.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 11/03/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 16

Source: Oklahoma Corporation Commission

Telephone: 405-522-4640 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Varies

# AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/07/2008 Date Data Arrived at EDR: 05/08/2008 Date Made Active in Reports: 05/30/2008

Number of Days to Update: 22

Source: Oklahoma Corporation Commission

Telephone: 405-521-3107 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009

INST CONTROL: Institutional Control Sites Sites with institutional controls in place.

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/08/2008 Date Made Active in Reports: 09/17/2008

Number of Days to Update: 9

Source: Department of Environmental Quality

Telephone: 405-702-5100 Last EDR Contact: 12/08/2008

Next Scheduled EDR Contact: 03/09/2009 Data Release Frequency: Varies

VCP: Voluntary Cleanup Site Inventory

Investigations and cleanups by groups or individuals participating in the Voluntary Cleanup Program (VCP).

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/08/2008 Date Made Active in Reports: 09/17/2008

Number of Days to Update: 9

Source: Department of Environmental Quality

Telephone: 405-702-5100 Last EDR Contact: 12/08/2008

Next Scheduled EDR Contact: 03/09/2009

Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facilities
A listing of drycleaner facility locations.

Date of Government Version: 10/06/2008 Date Data Arrived at EDR: 10/07/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 43

Source: Department of Environmental Quality

Telephone: 405-702-9100 Last EDR Contact: 01/06/2009

Next Scheduled EDR Contact: 04/06/2009

Data Release Frequency: Varies

#### **BROWNFIELDS: Brownfield Sites**

Brownfields are defined by Oklahoma law as abandoned, idled or under used industrial or commercial facilities or other real property at which expansion or redevelopment of the real property is complicated by environmental contamination caused by regulated substances. This program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 09/24/2008 Date Data Arrived at EDR: 09/25/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 4

Source: Department of Environmental Quality

Telephone: 405-702-5100 Last EDR Contact: 12/22/2008

Next Scheduled EDR Contact: 03/09/2009 Data Release Frequency: No Update Planned

## BROWNFIELDS 2: Brownfields Public Record Listing

The Brownfields program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 04/17/2008 Date Data Arrived at EDR: 06/18/2008 Date Made Active in Reports: 07/23/2008

Number of Days to Update: 35

Source: Department of Environmental Quality

Telephone: 405-702-5100 Last EDR Contact: 12/11/2008

Next Scheduled EDR Contact: 03/09/2009 Data Release Frequency: Varies

AIRS: Permitted AIRS Facility Listing

A listing of permitted AIRS facility locations.

Date of Government Version: 10/23/2008 Date Data Arrived at EDR: 10/24/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 405-702-4100 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009

OK COMPLAINT: Oklahoma Complaint System Database

Environmental complaints reported to the Oklahoma Corporation Commission.

Date of Government Version: 03/27/2006 Date Data Arrived at EDR: 04/05/2006 Date Made Active in Reports: 05/12/2006

Number of Days to Update: 37

Source: Oklahoma Corporation Commission

Telephone: 405-521-2384 Last EDR Contact: 12/29/2008

Next Scheduled EDR Contact: 03/30/2009 Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 09/23/2008 Date Data Arrived at EDR: 09/29/2008 Date Made Active in Reports: 10/03/2008

Number of Days to Update: 4

Source: Department of Environmental Quality

Telephone: 405-702-1000 Last EDR Contact: 12/08/2008

Next Scheduled EDR Contact: 02/23/2009

Data Release Frequency: Varies

### TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 11/07/2008

Next Scheduled EDR Contact: 02/02/2009 Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 11/24/2008

Next Scheduled EDR Contact: 02/23/2009 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2008 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 34

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2008 Date Data Arrived at EDR: 10/10/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 12/02/2008 Date Data Arrived at EDR: 12/04/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 19

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/25/2008 Date Data Arrived at EDR: 11/26/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 27

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/06/2008 Date Data Arrived at EDR: 10/09/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 41

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 03/20/2008

Number of Days to Update: 6

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/01/2008 Date Data Arrived at EDR: 12/03/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 20

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/19/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 03/20/2008

Number of Days to Update: 6

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/06/2008 Date Data Arrived at EDR: 10/09/2008 Date Made Active in Reports: 11/19/2008

Number of Days to Update: 41

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 11/25/2008 Date Data Arrived at EDR: 11/26/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 27

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007 Date Data Arrived at EDR: 06/14/2007 Date Made Active in Reports: 07/05/2007

Number of Days to Update: 21

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/19/2008

Next Scheduled EDR Contact: 02/16/2009

Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/01/2008 Date Data Arrived at EDR: 12/04/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 19

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 11/18/2008 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 34

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 11/17/2008

Next Scheduled EDR Contact: 02/16/2009 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: 04/19/2009 Data Release Frequency: Varies

#### **EDR PROPRIETARY RECORDS**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Date Made Active in Reports: N/A Last EDR Contact: N/A Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

## **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 06/15/2007 Date Made Active in Reports: 08/20/2007

Number of Days to Update: 66

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 12/11/2008

Next Scheduled EDR Contact: 03/09/2009 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/21/2008 Date Data Arrived at EDR: 11/26/2008 Date Made Active in Reports: 12/11/2008

Number of Days to Update: 15

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/26/2008

Next Scheduled EDR Contact: 02/23/2009 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/22/2008 Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 01/05/2009

Next Scheduled EDR Contact: 04/06/2009 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity Sensitive Receptors: to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

**Nursing Homes** 

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers Source: Department of Human Services

Telephone: 405-521-3561

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### STREET AND ADDRESS INFORMATION

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